

Program EVALPLOT
(Version 2018-1)

by

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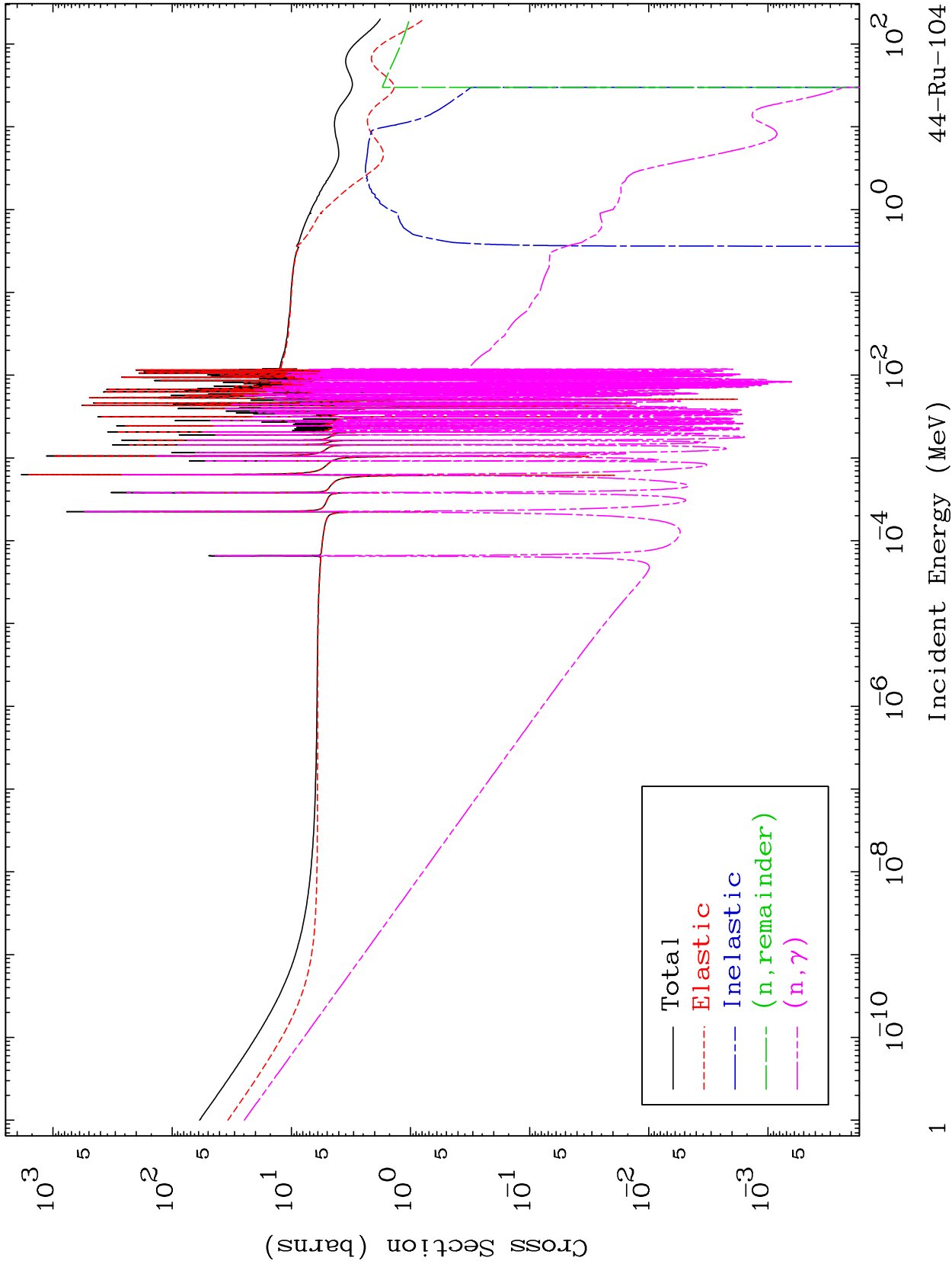
Press Mouse Button to Start

MAT 4449

Major

293 Kelvin Cross Sections

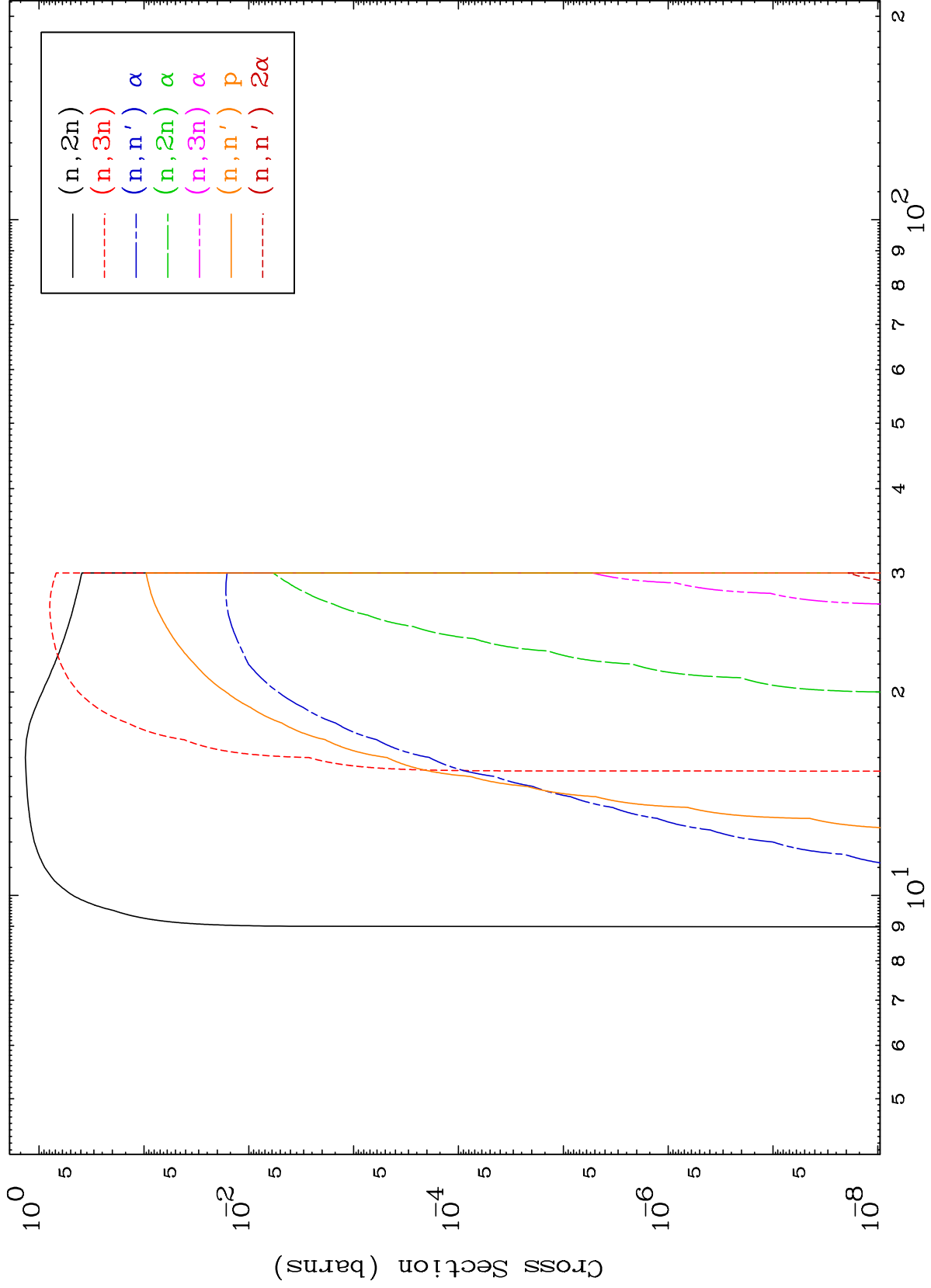
44-Ru-104



MAT 4449

Neutron Production
293 Kelvin Cross Sections

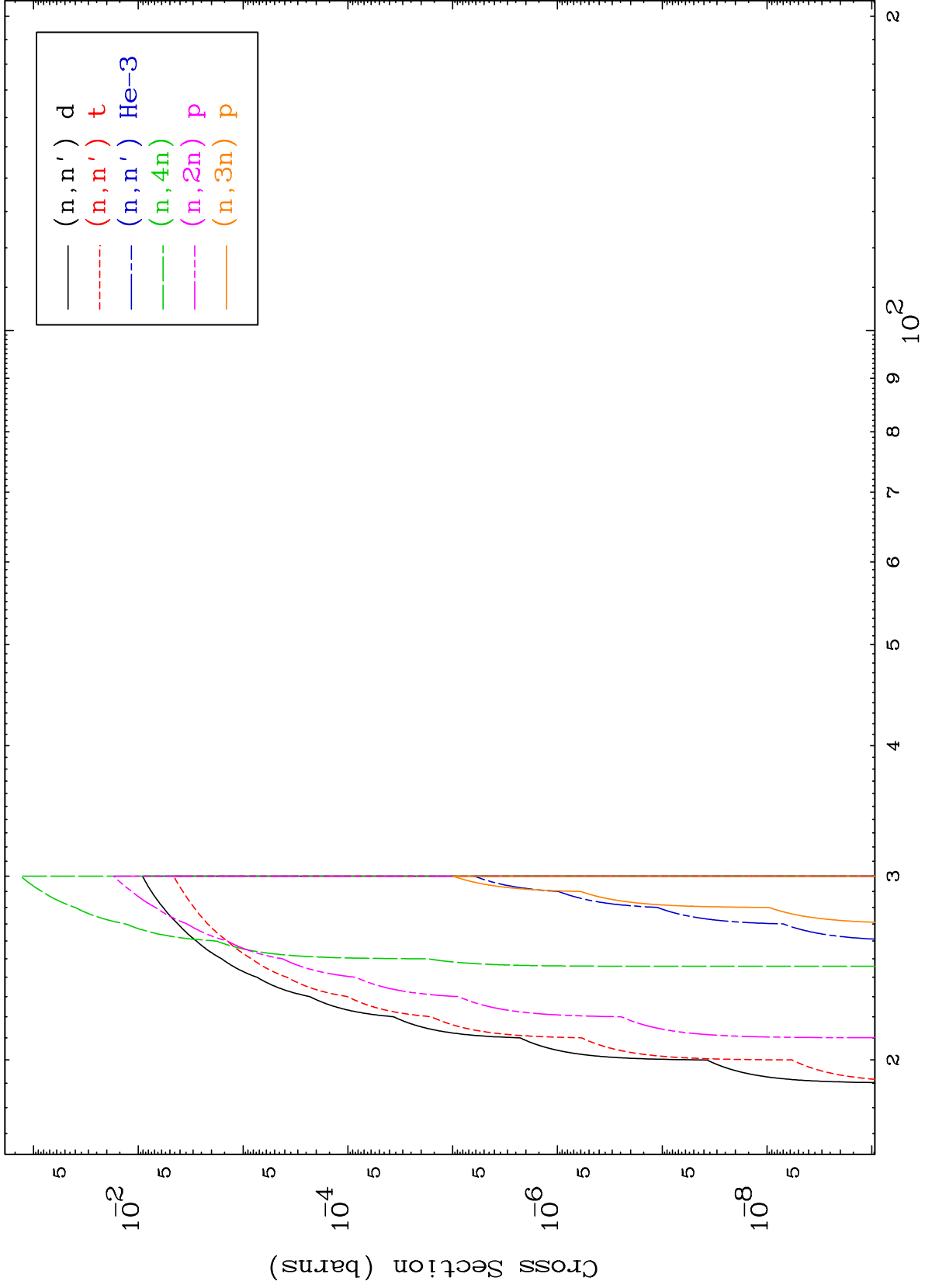
44-Ru-104



2

Incident Energy (MeV)

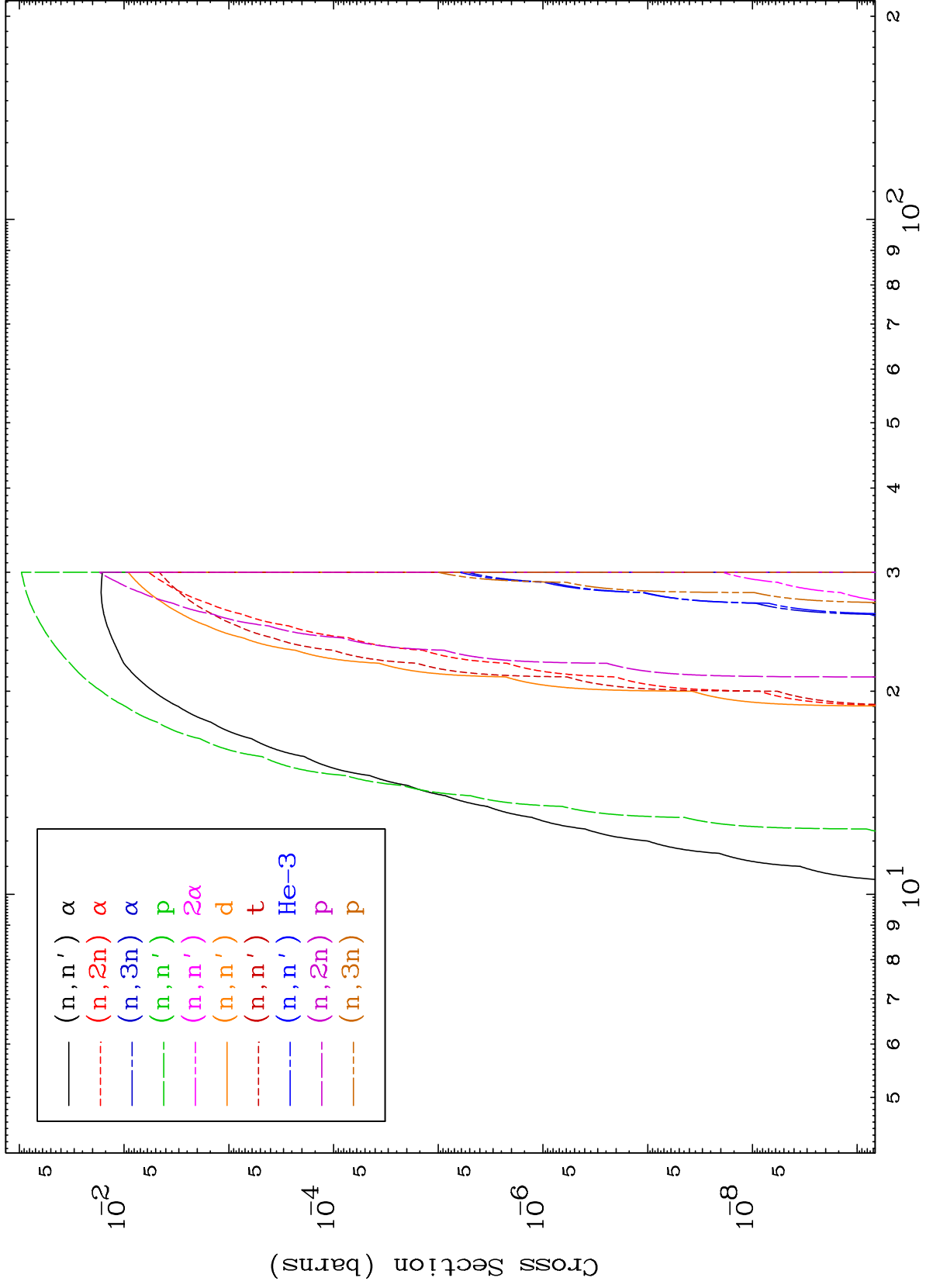
44-Ru-104



MAT 4449

Charged Particle
293 Kelvin Cross Sections

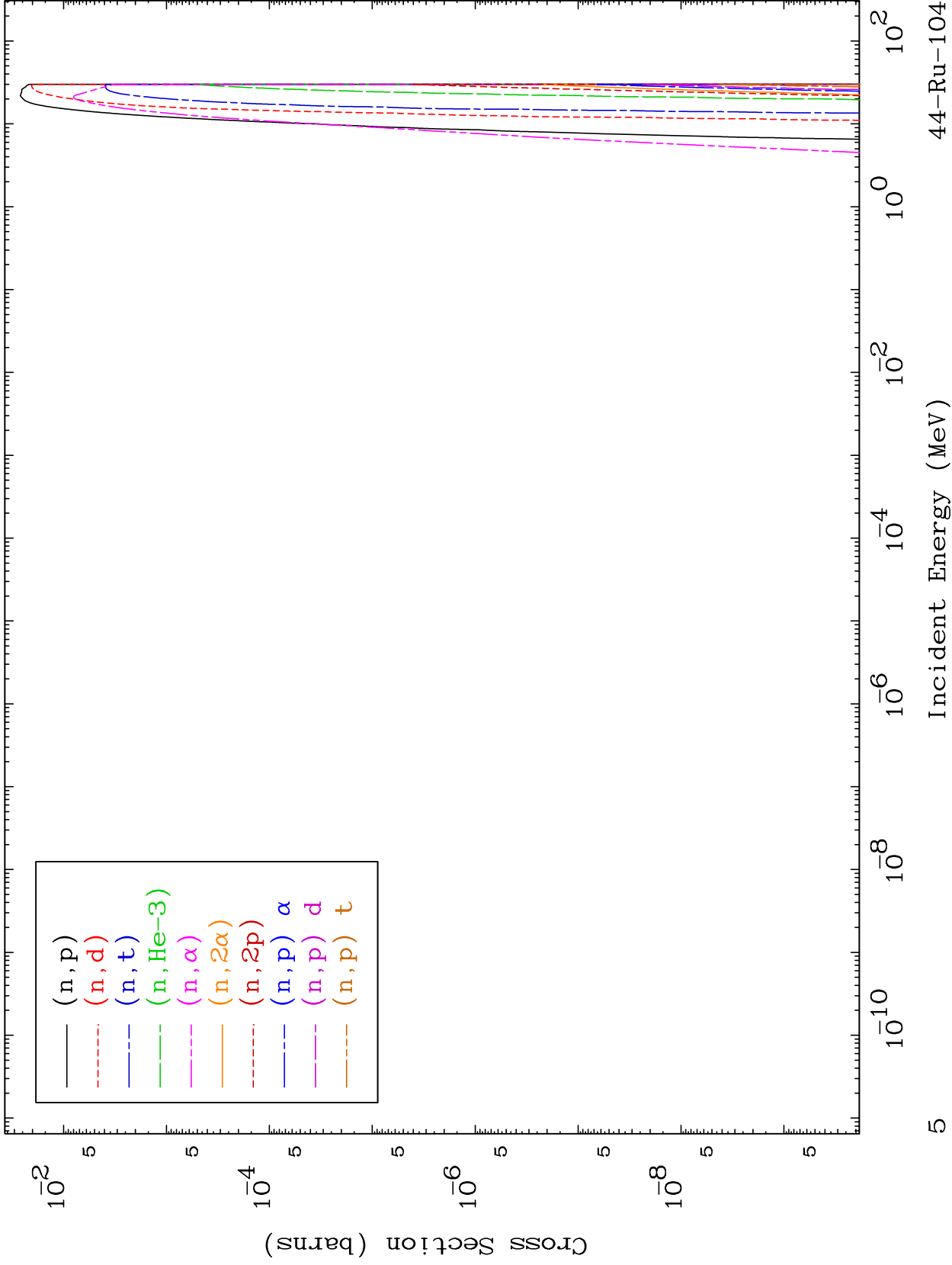
44-Ru-104



MAT 4449

Charged Particle
293 Kelvin Cross Sections

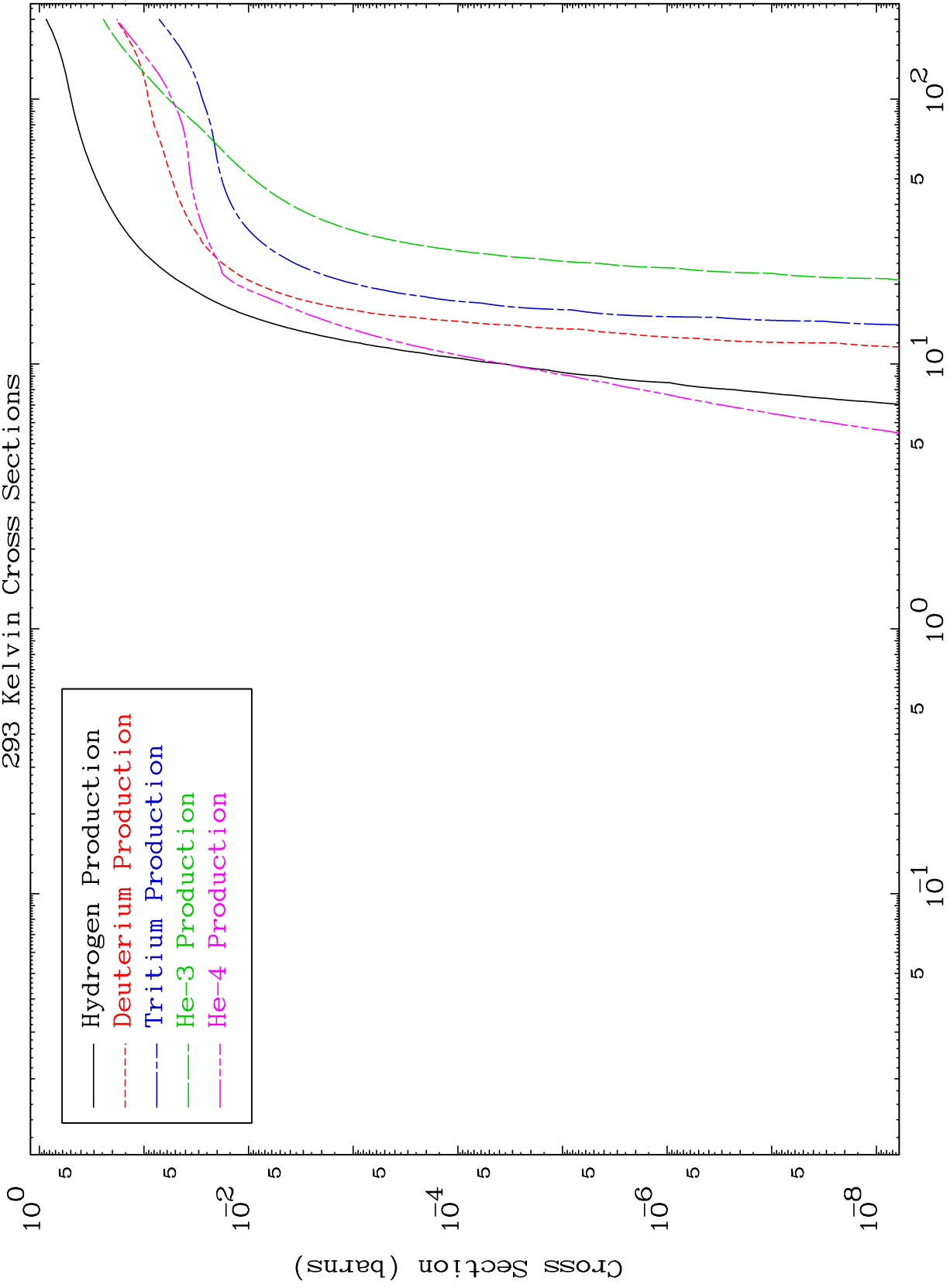
44-Ru-104



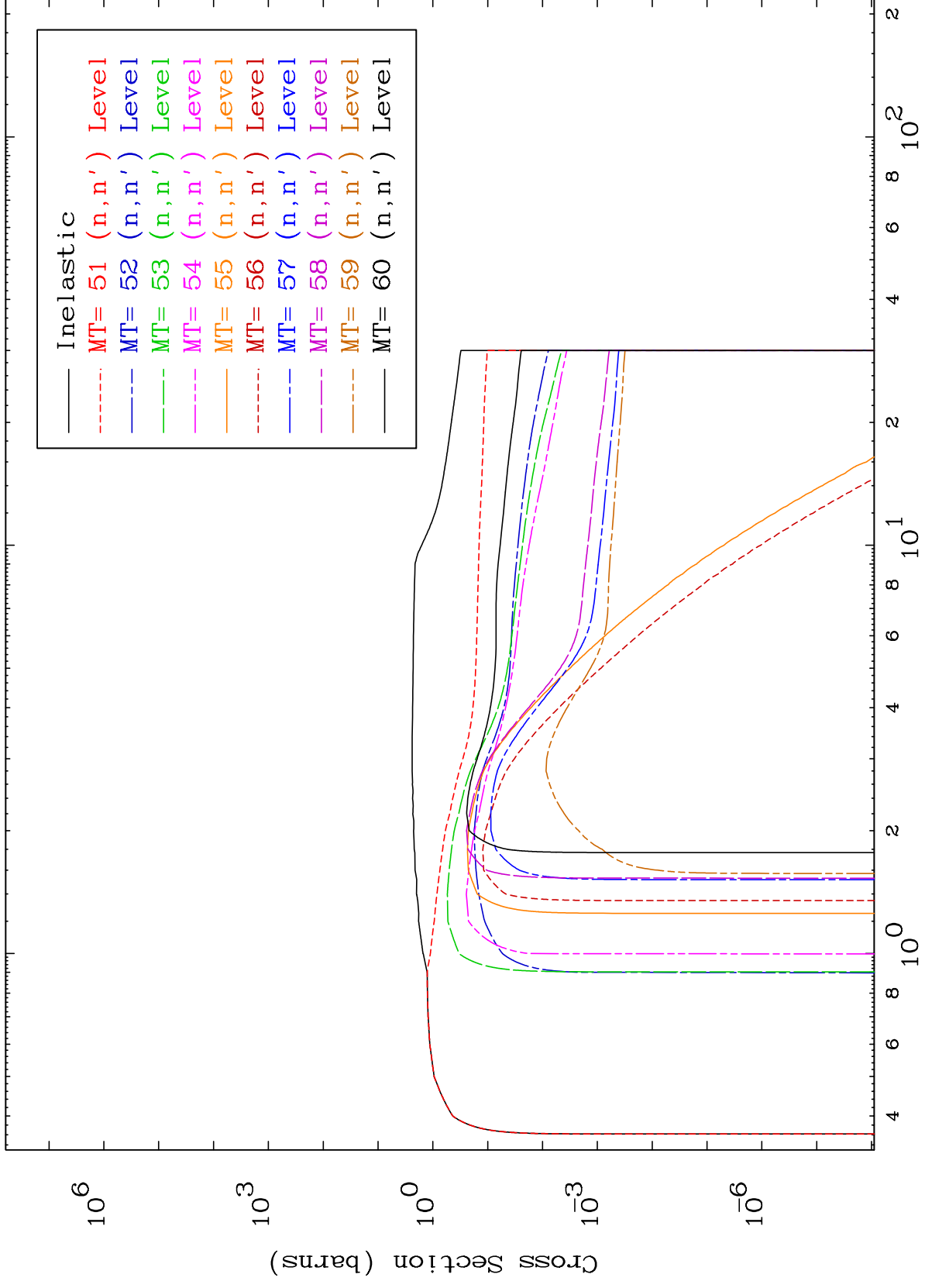
MAT 4449

Particle Production
293 Kelvin Cross Sections

44-Ru-104



293 Kelvin Cross Sections

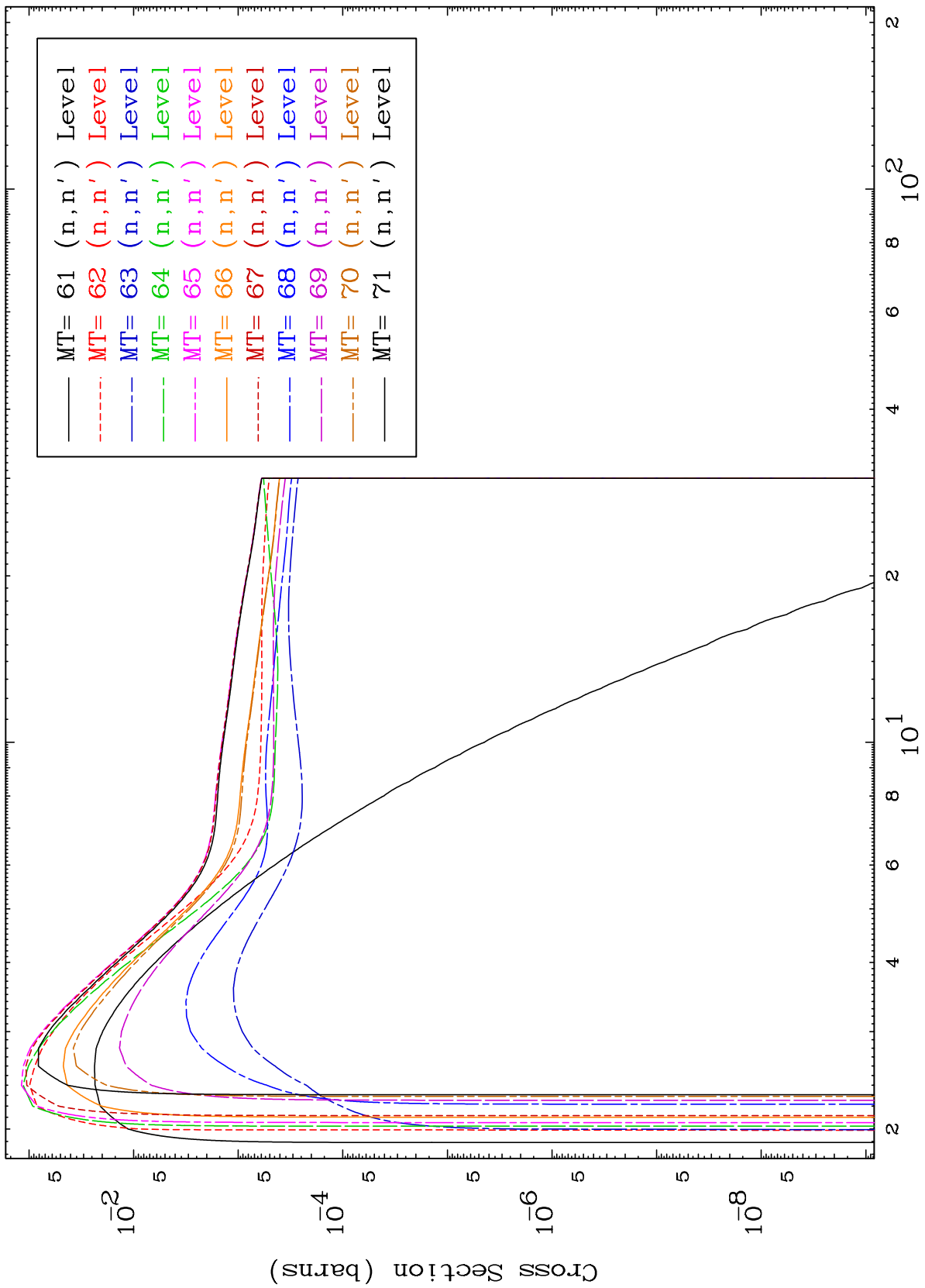


MAT 4449

(n,n') Level

44-Ru-104

293 Kelvin Cross Sections



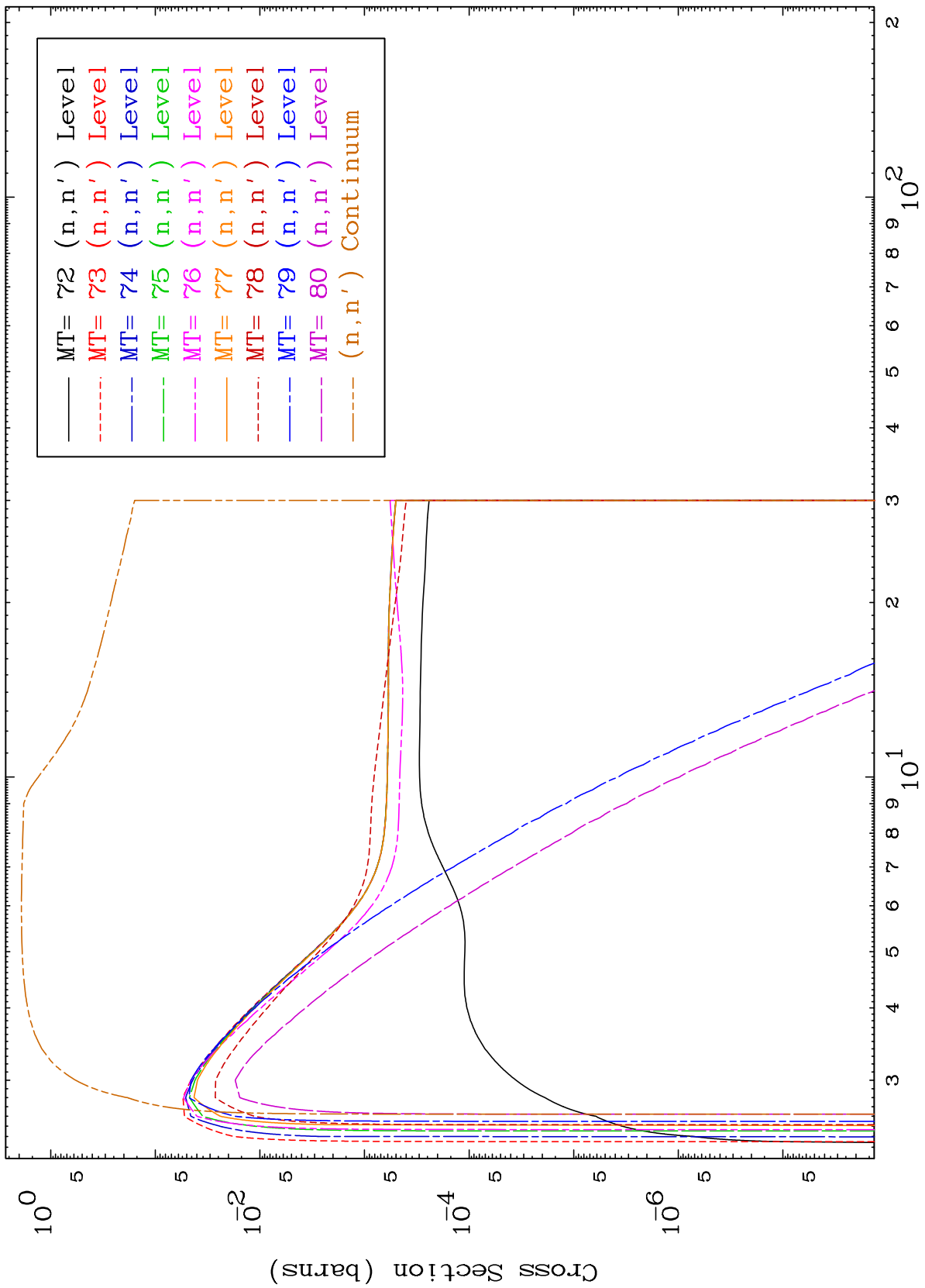
Line Style	MT=	Level	(n,n')	Level
Solid	61	Level	(n,n')	Level
Dashed	62	Level	(n,n')	Level
Dash-dot	63	Level	(n,n')	Level
Dotted	64	Level	(n,n')	Level
Long Dash	65	Level	(n,n')	Level
Short Dash	66	Level	(n,n')	Level
Thin Solid	67	Level	(n,n')	Level
Thin Dashed	68	Level	(n,n')	Level
Thin Dash-dot	69	Level	(n,n')	Level
Thin Dotted	70	Level	(n,n')	Level
Thin Long Dash	71	Level	(n,n')	Level

8

Incident Energy (MeV)

44-Ru-104

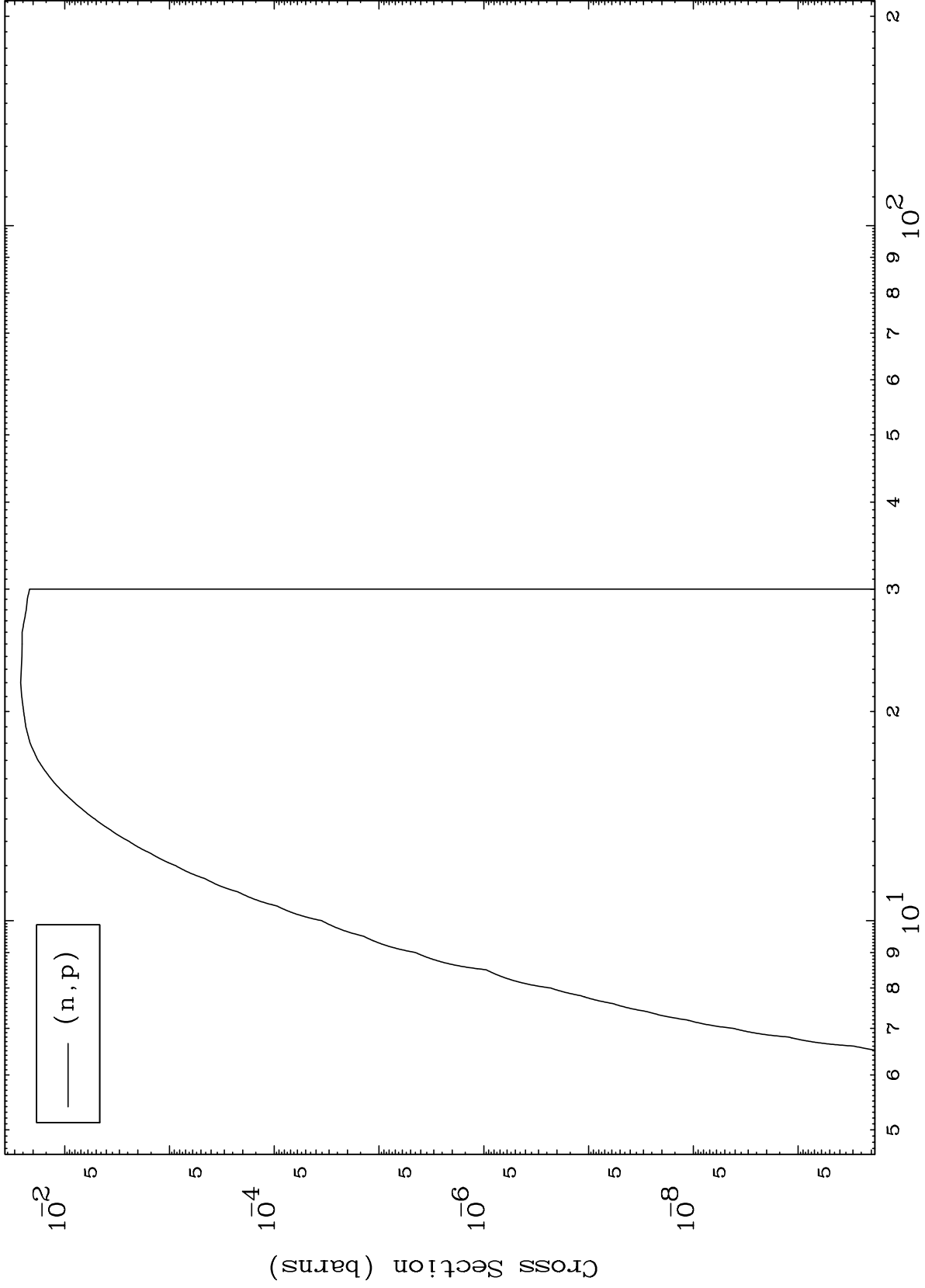
293 Kelvin Cross Sections



MAT 4449

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-104



10

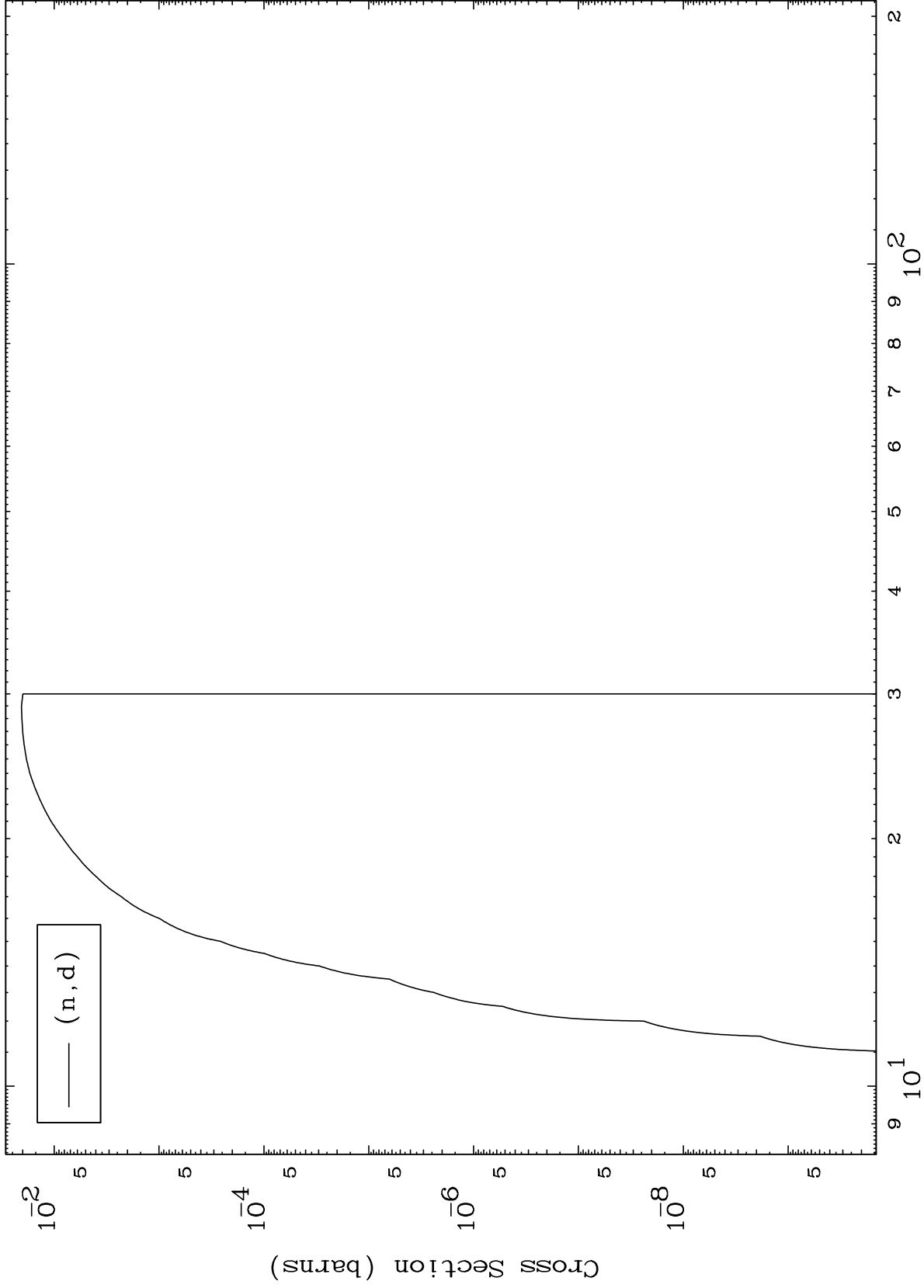
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-104



11

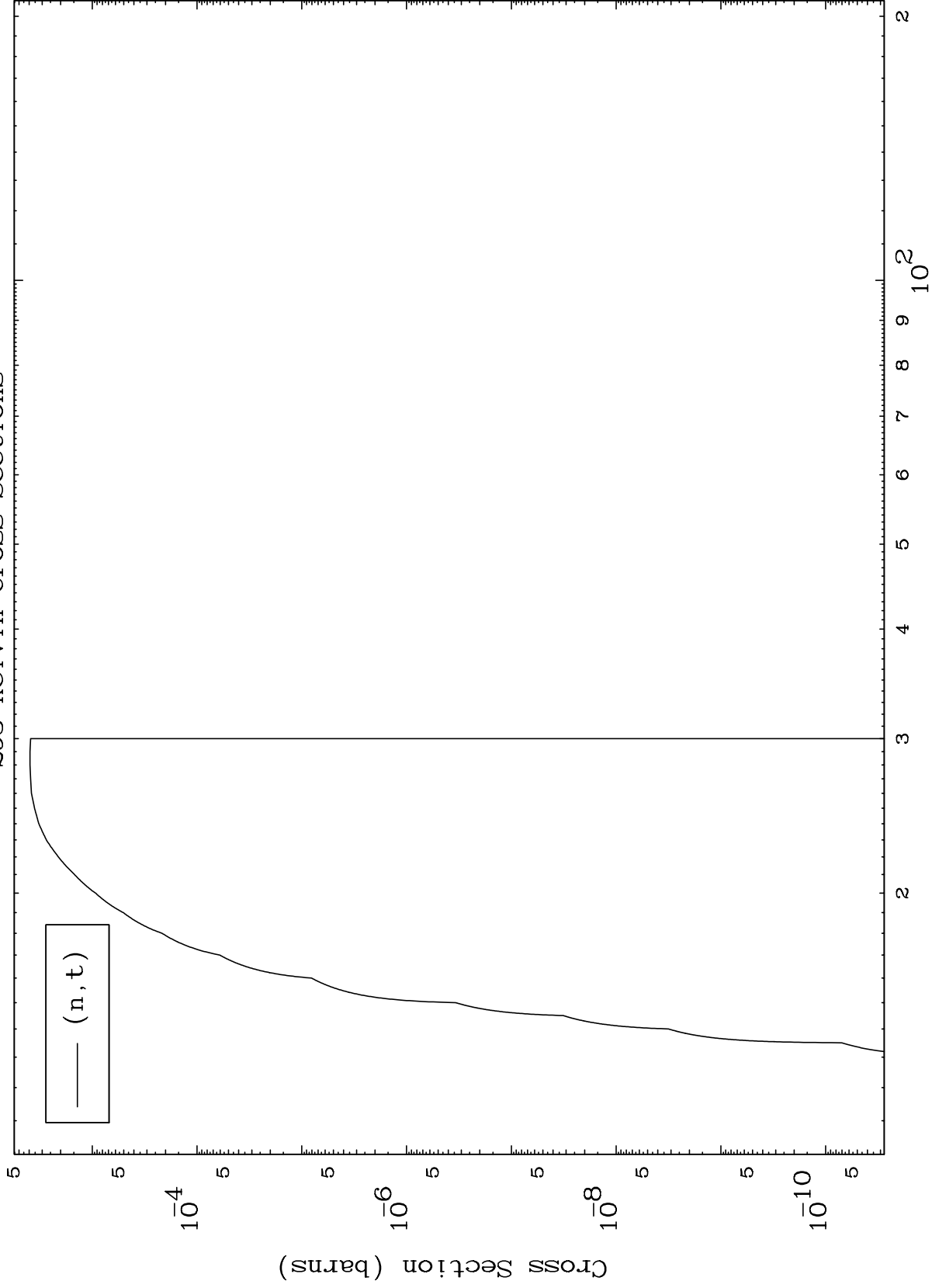
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-104



12

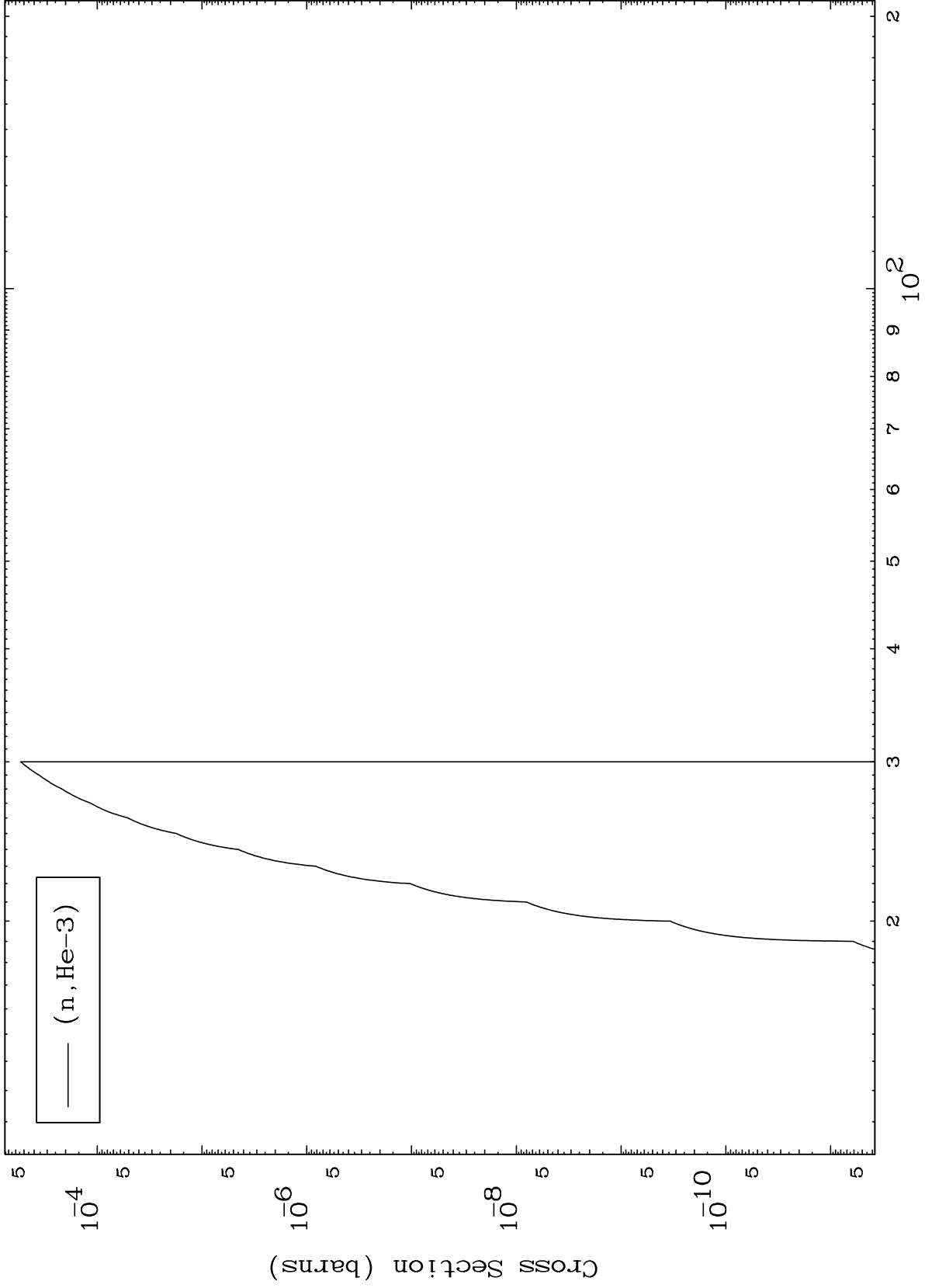
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,He3) Levels
293 Kelvin Cross Sections

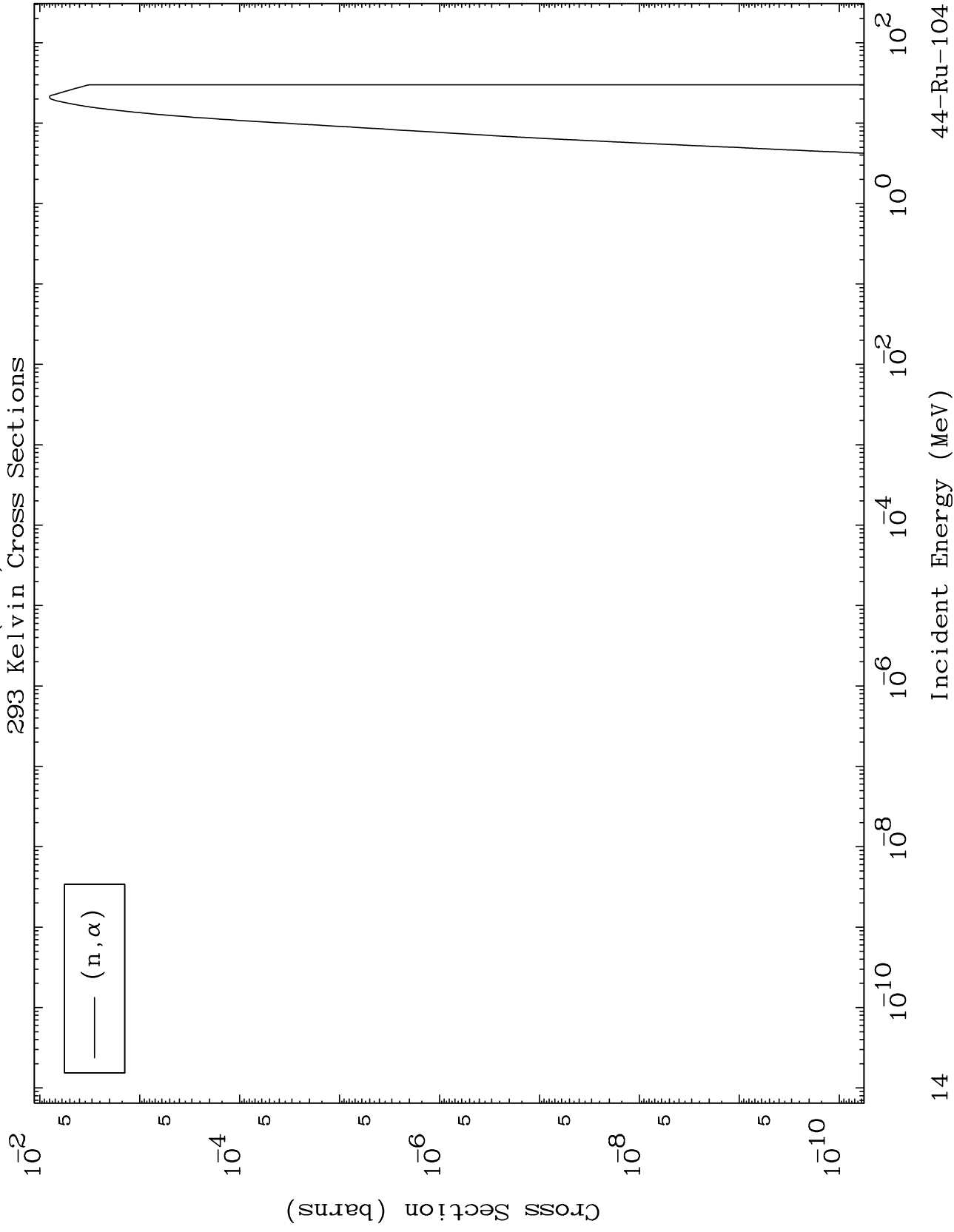
44-Ru-104



MAT 4449

(n, α) Levels
293 Kelvin Cross Sections

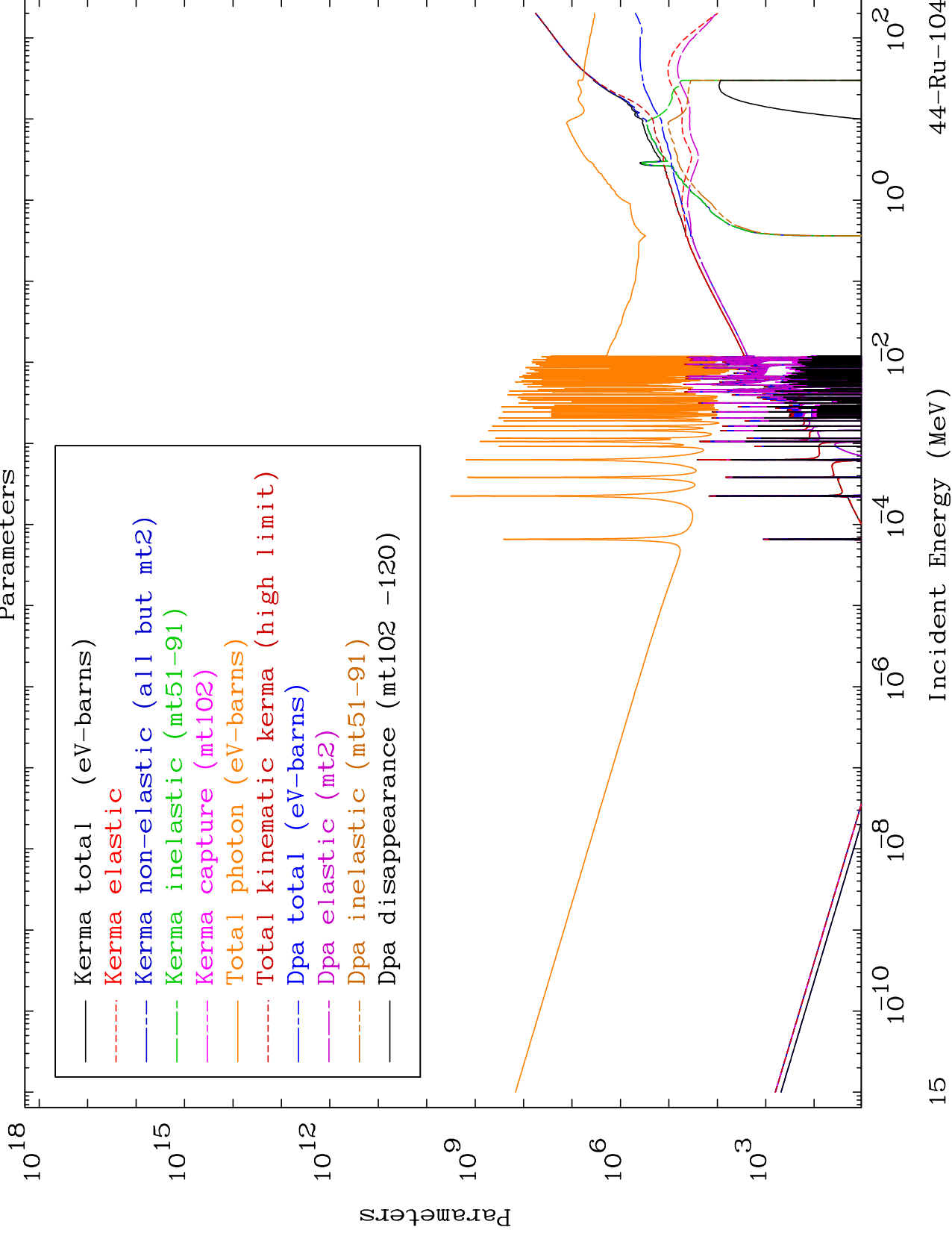
44-Ru-104



14

Incident Energy (MeV)

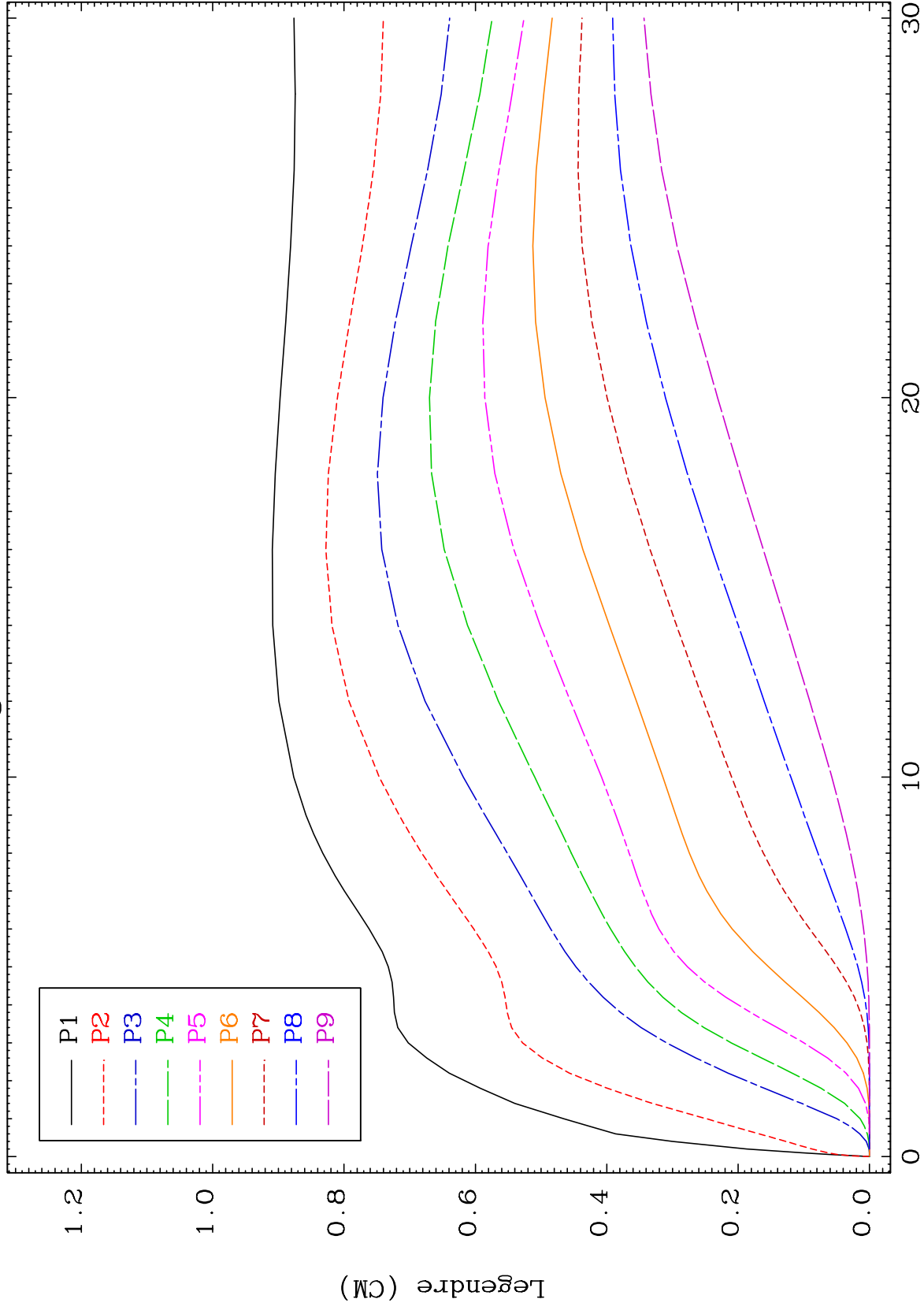
44-Ru-104



MAT 4449

Elastic Legendre Coefficients

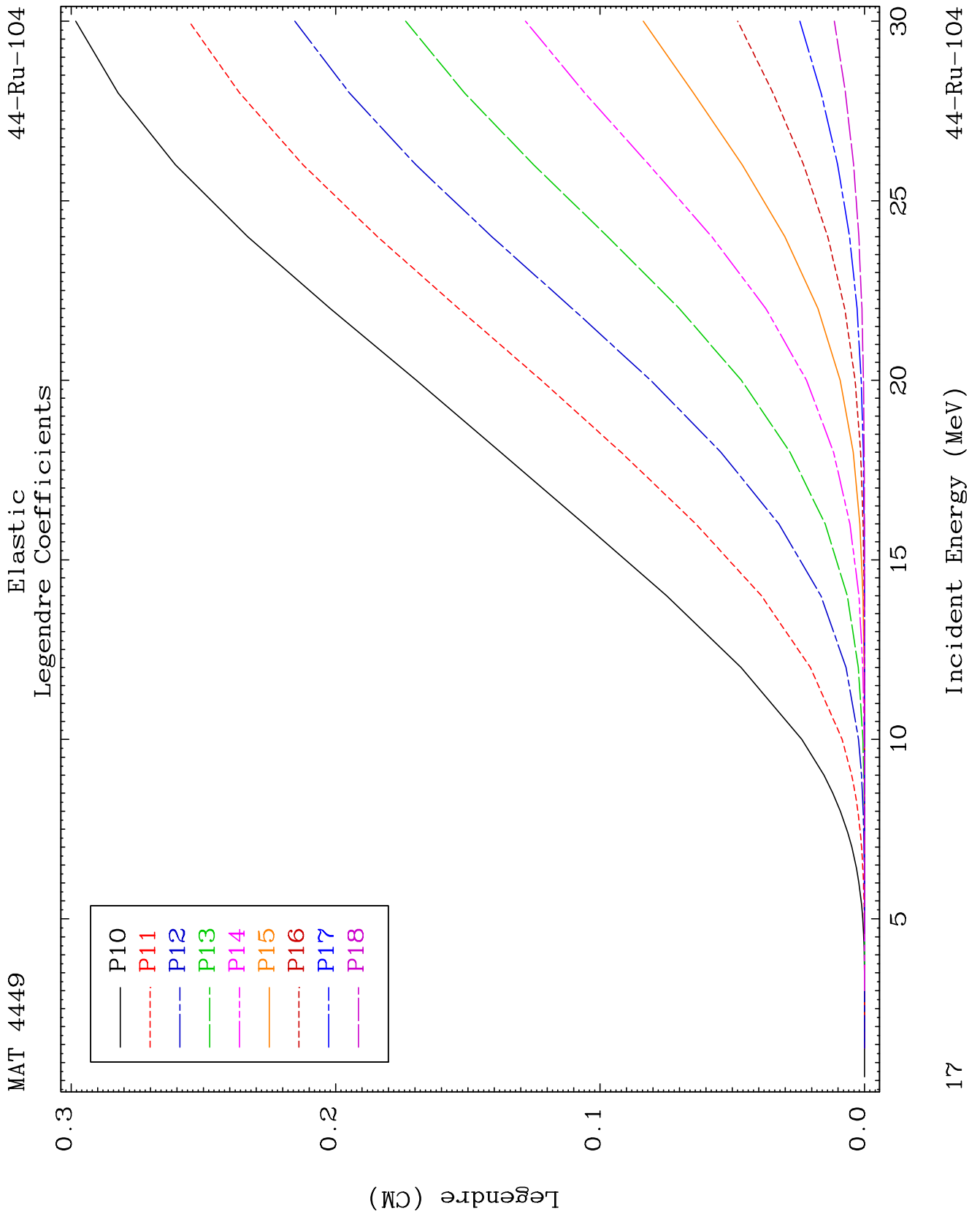
44-Ru-104

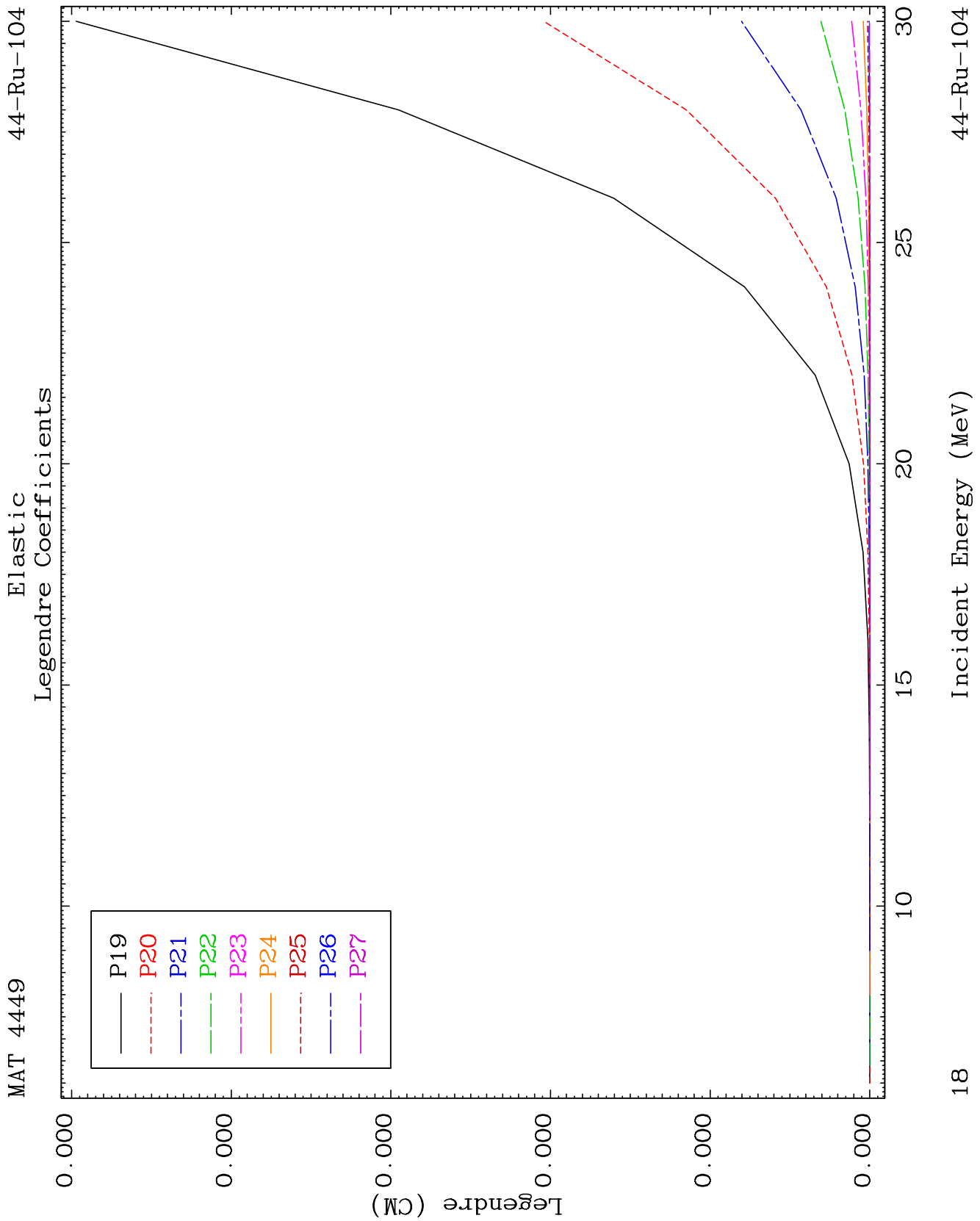


16

Incident Energy (MeV)

44-Ru-104

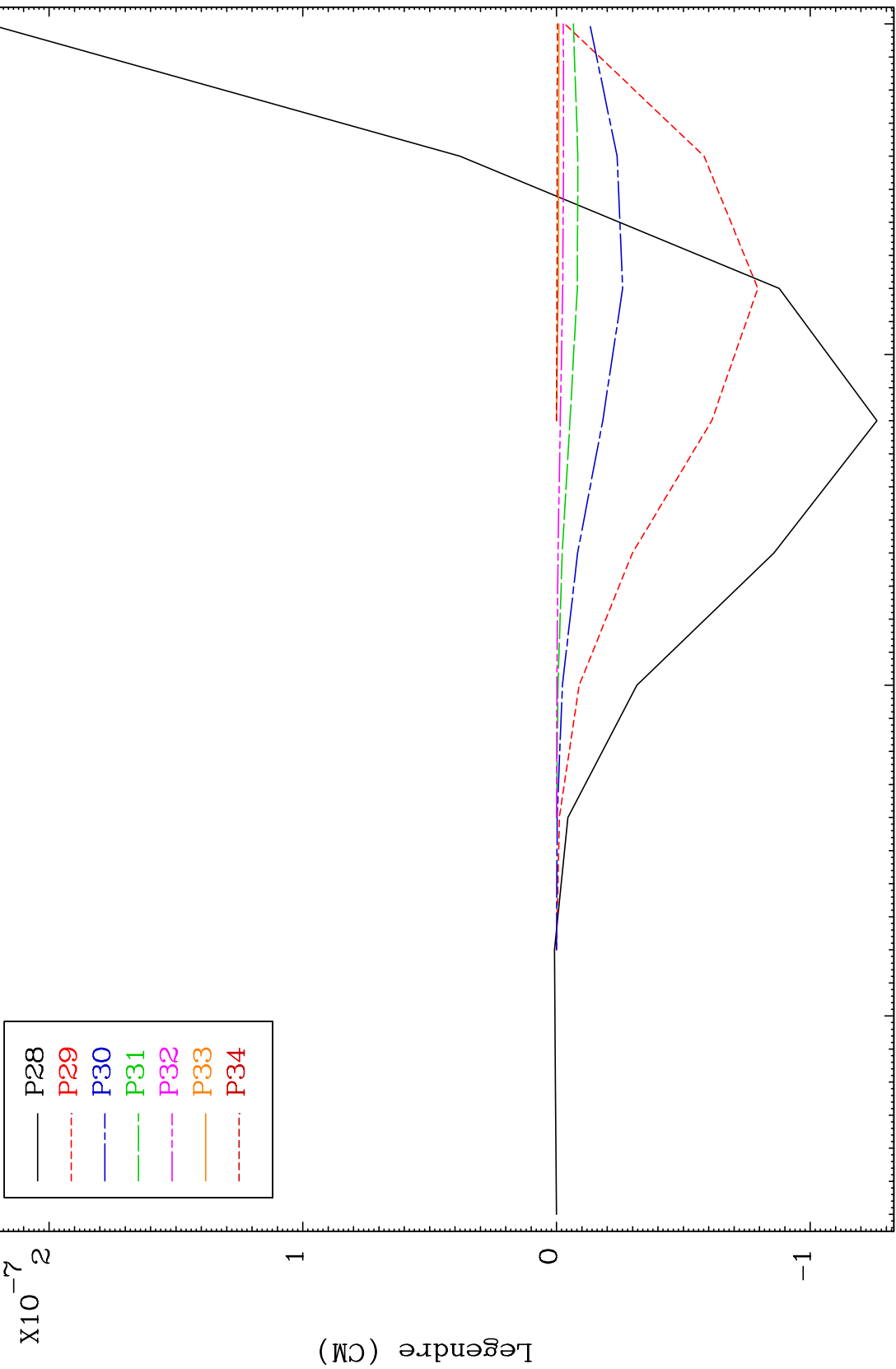
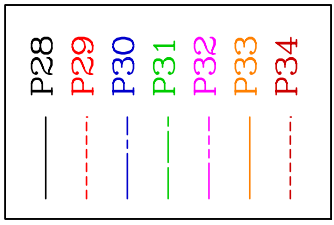




MAT 4449

Elastic Legendre Coefficients

44-Ru-104



19

Incident Energy (MeV)

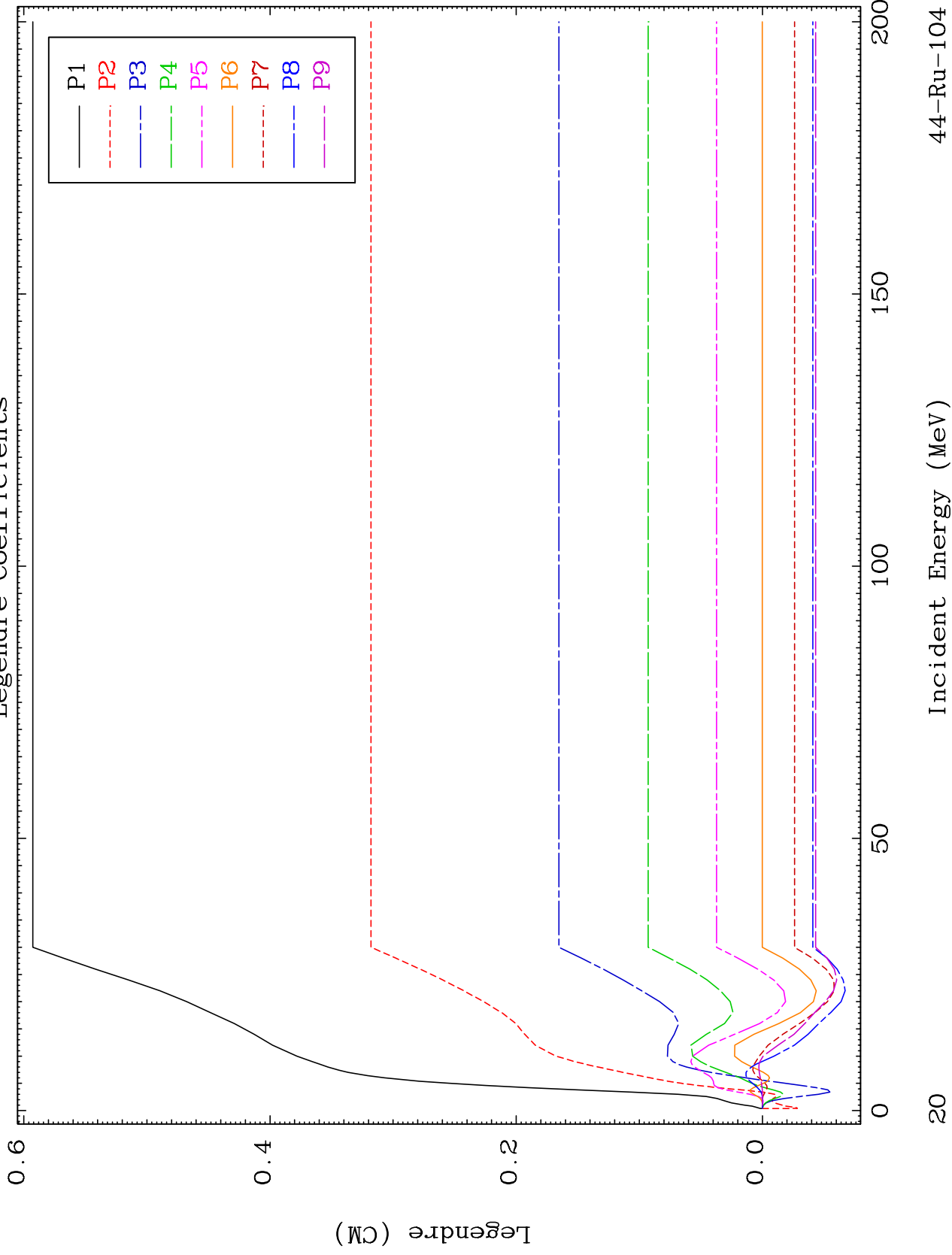
44-Ru-104

MAT 4449

MT= 51 (n,n') Level

44-Ru-104

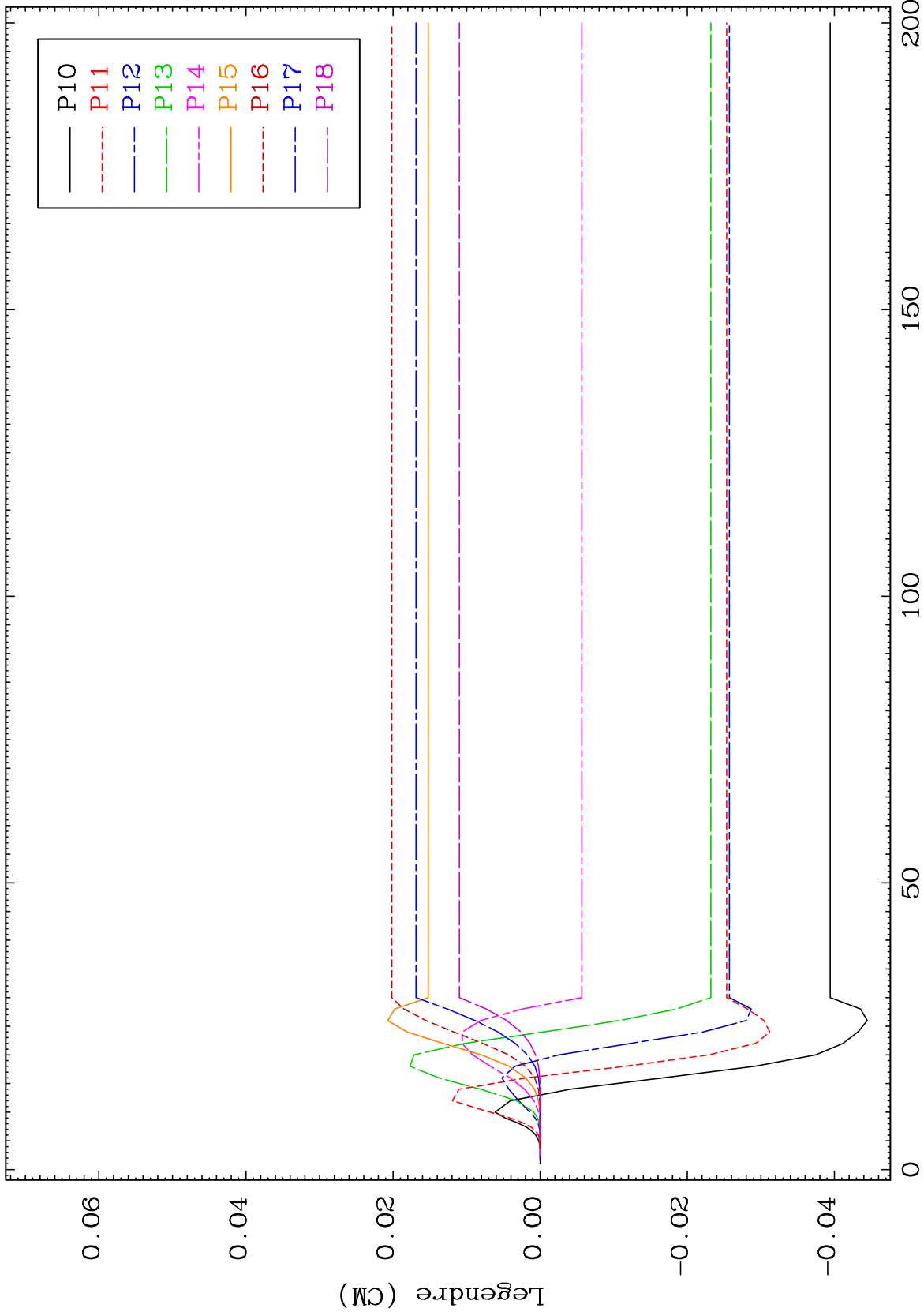
Legendre Coefficients



MAT 4449

MT= 51 (n,n') Level
Legendre Coefficients

44-Ru-104



21

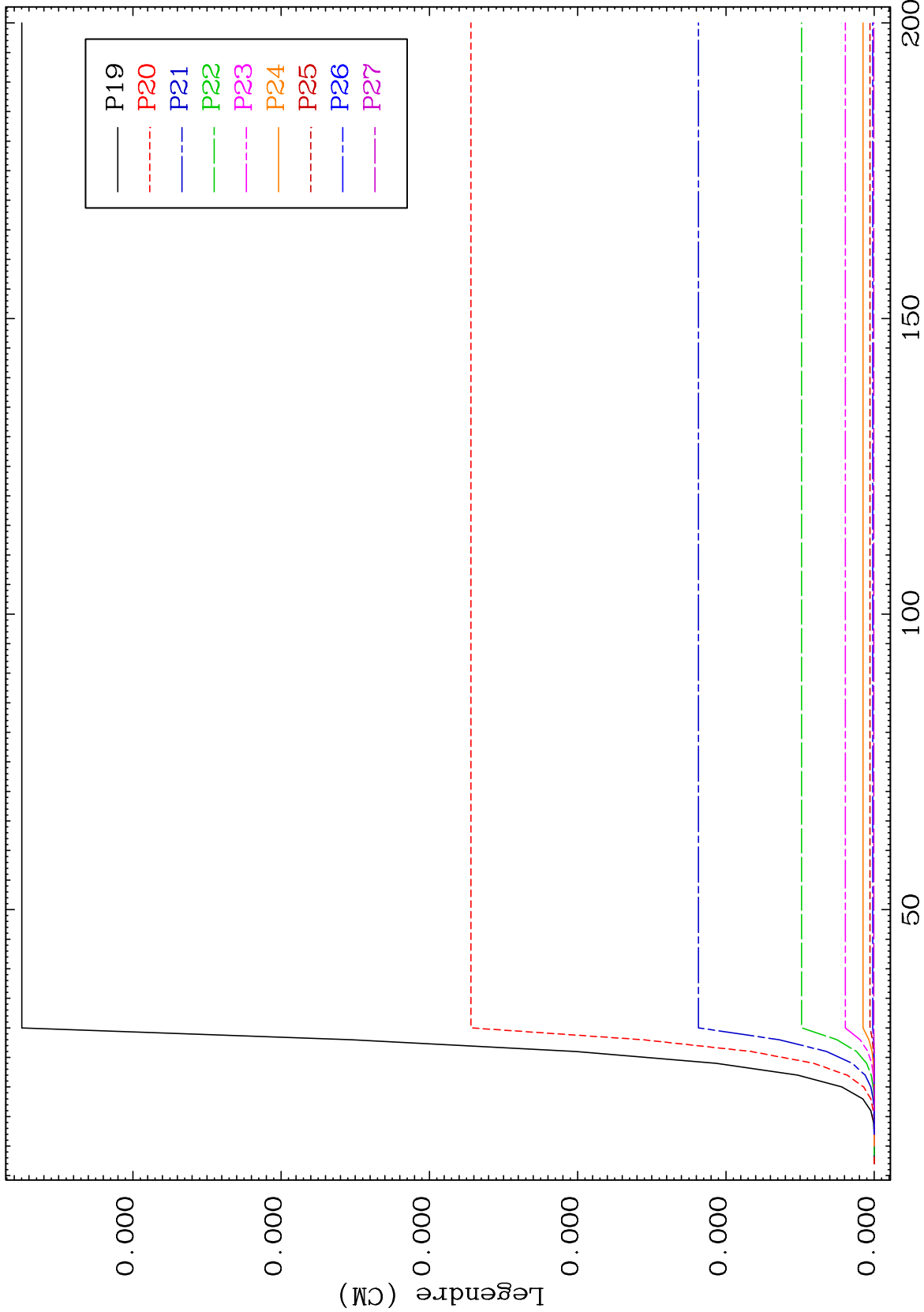
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 51 (n,n') Level
Legendre Coefficients

44-Ru-104



22

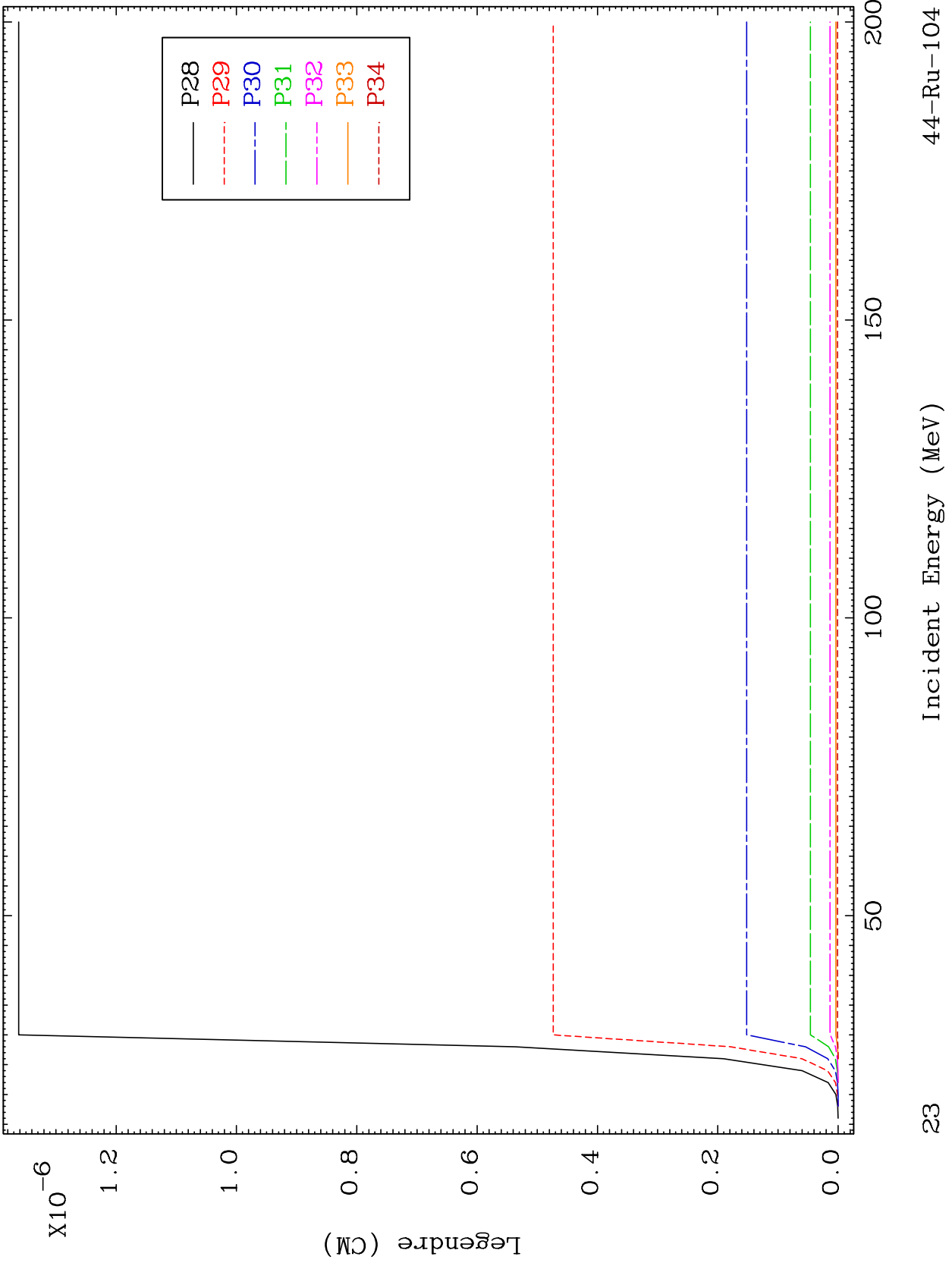
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 51 (n,n') Level
Legendre Coefficients

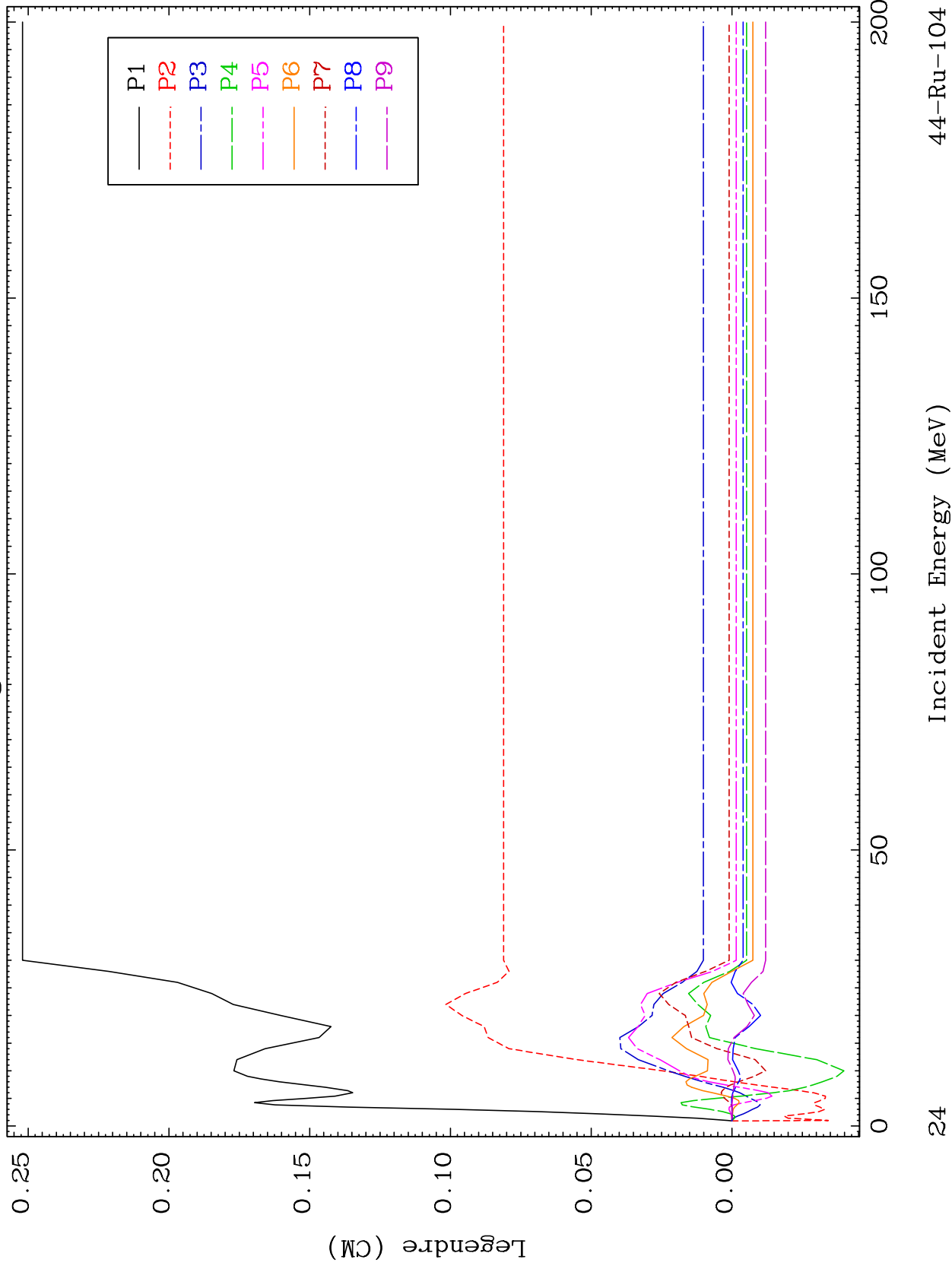
44-Ru-104



MAT 4449

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

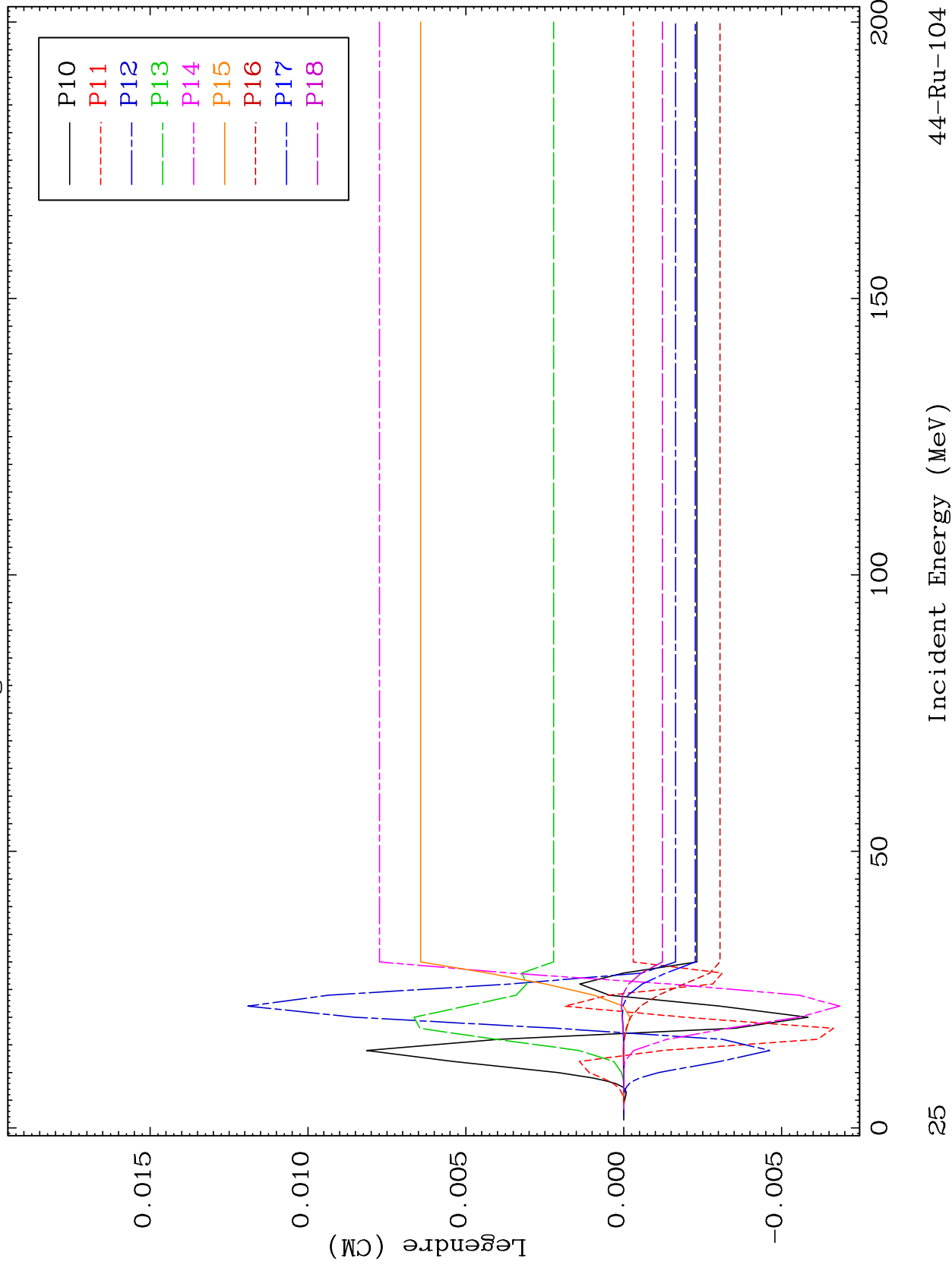
Incident Energy (MeV)

24

MAT 4449

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

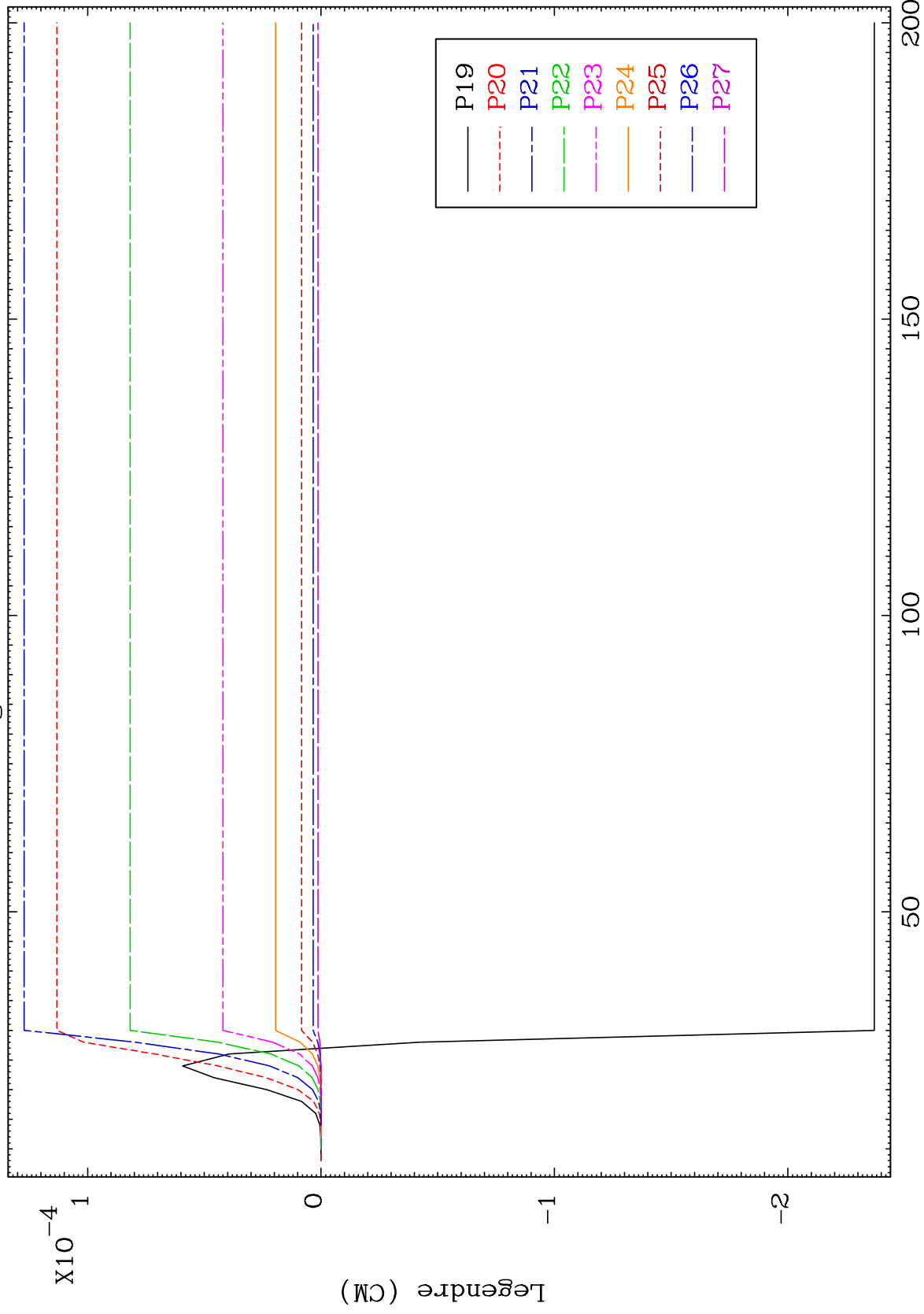
Incident Energy (MeV)

25

MAT 4449

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-104



26

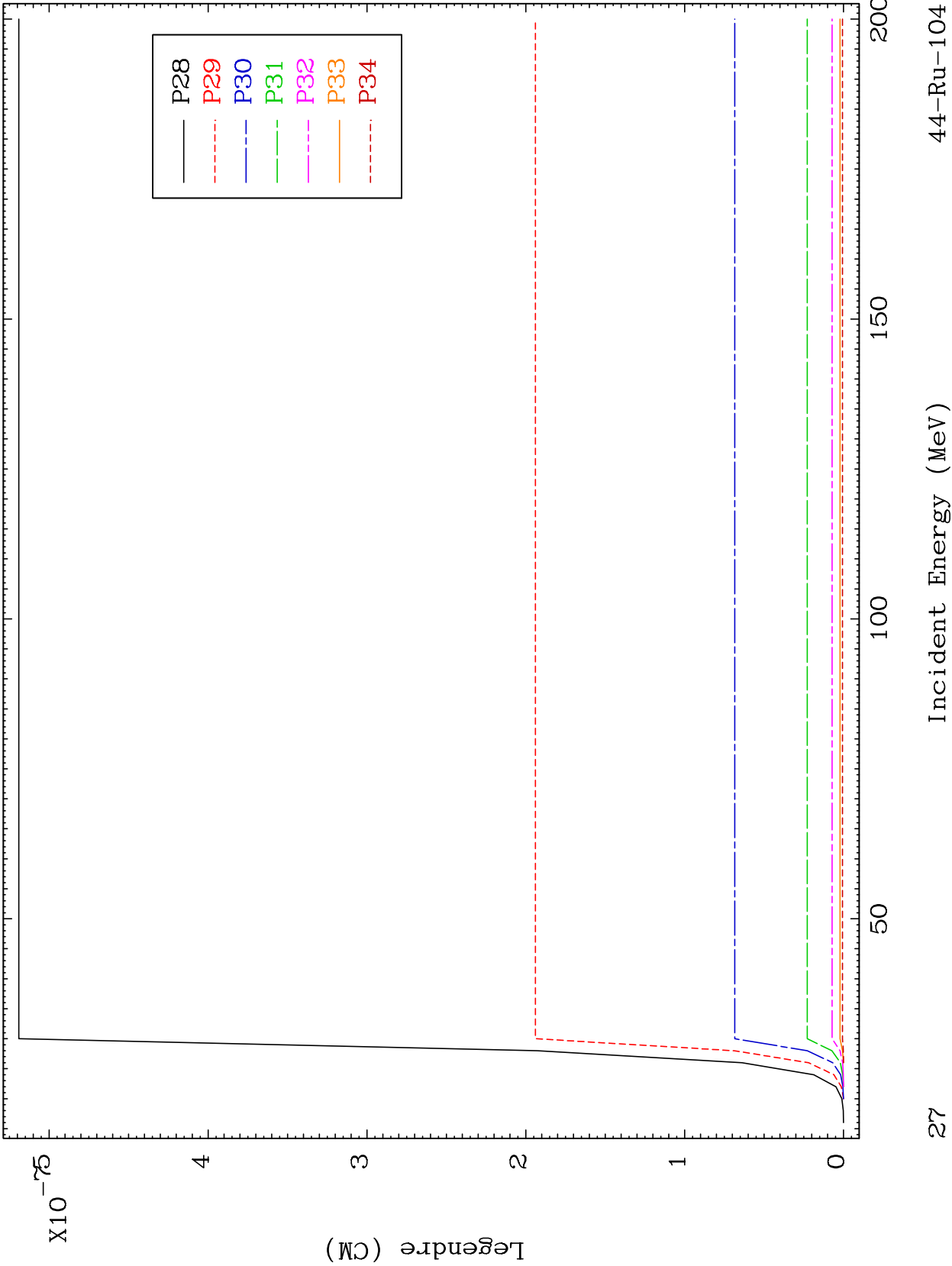
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-104



27

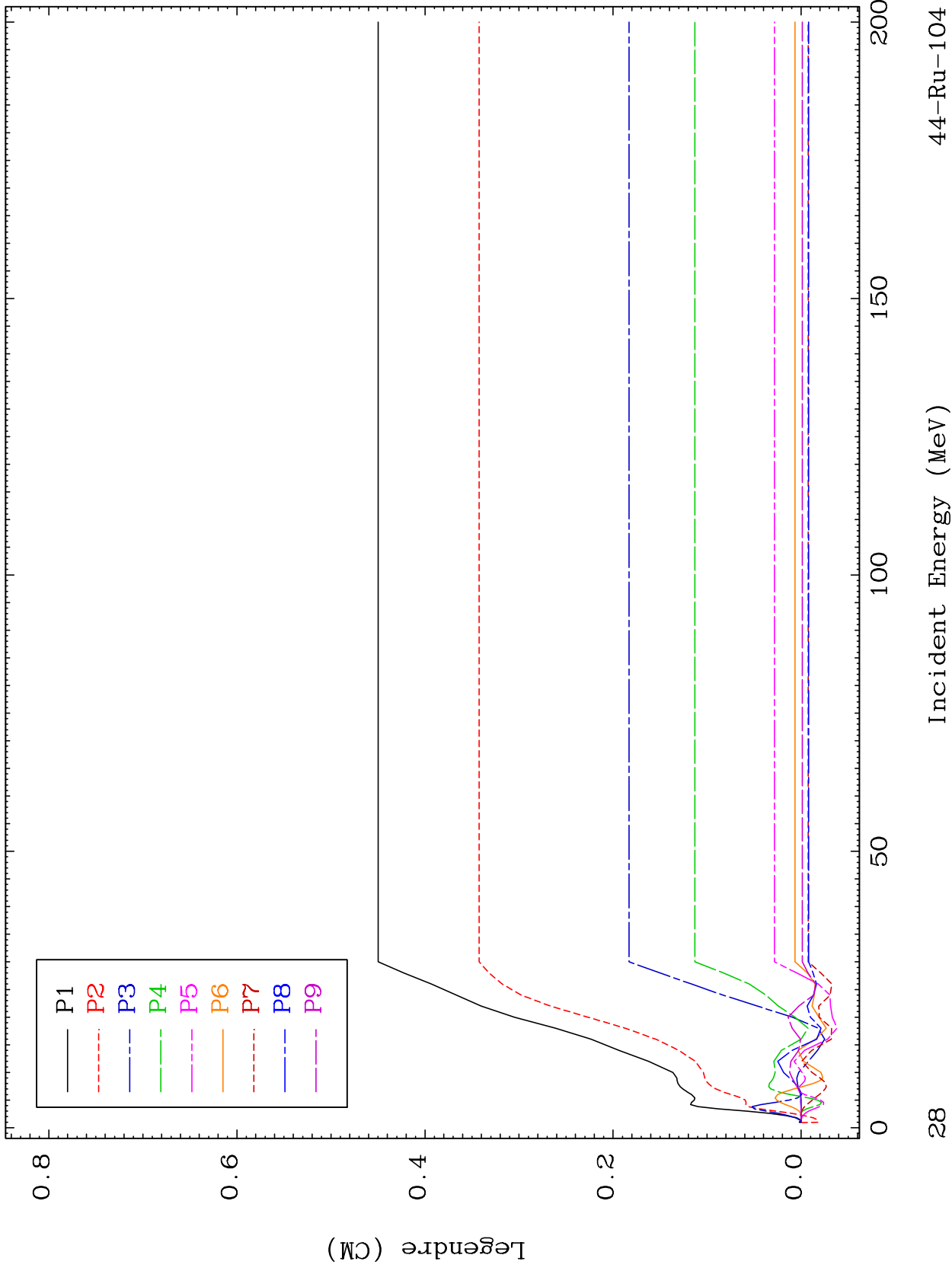
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 53 (n,n') Level
Legendre Coefficients

44-Ru-104



28

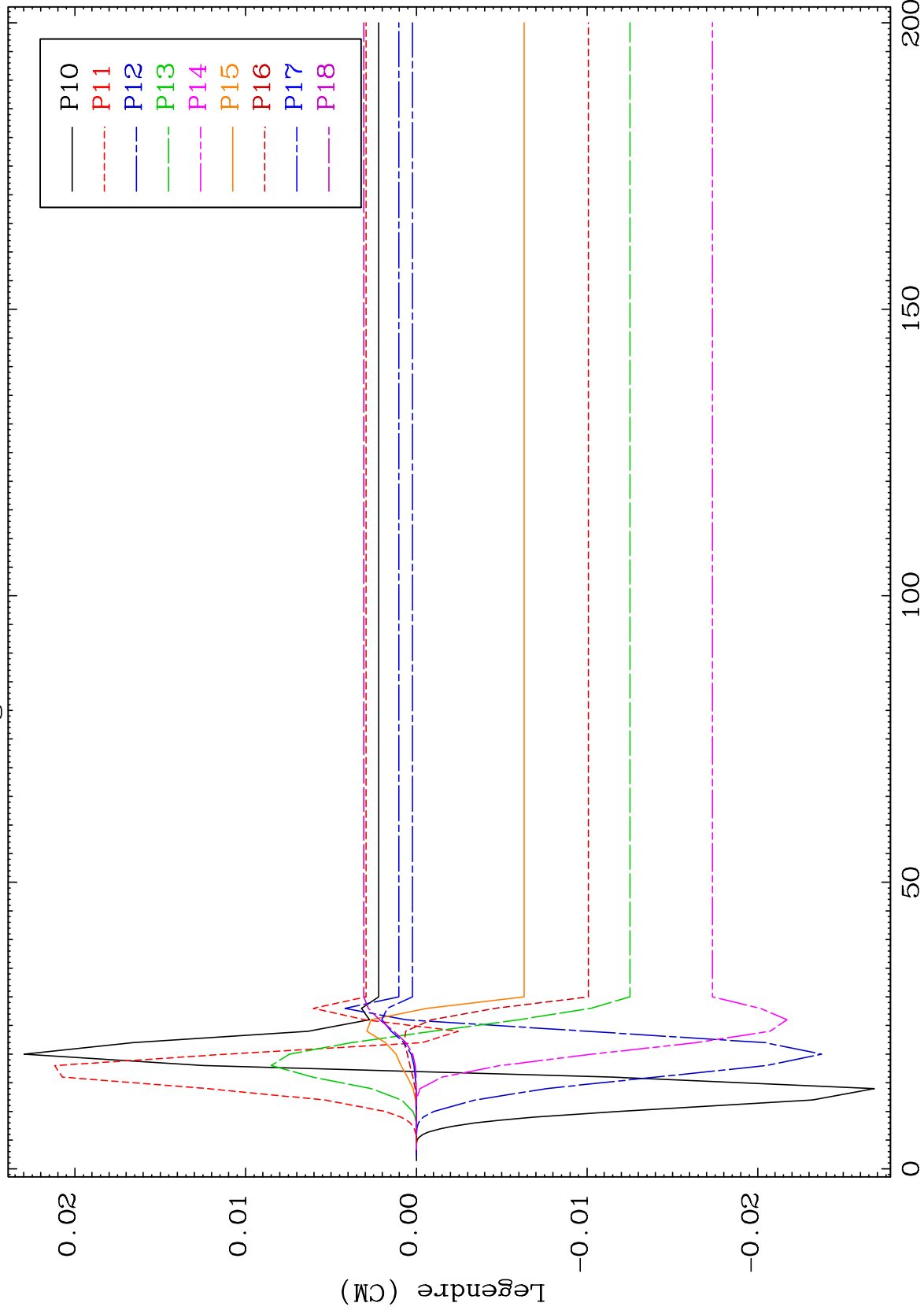
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 53 (n,n') Level
Legendre Coefficients

44-Ru-104



29

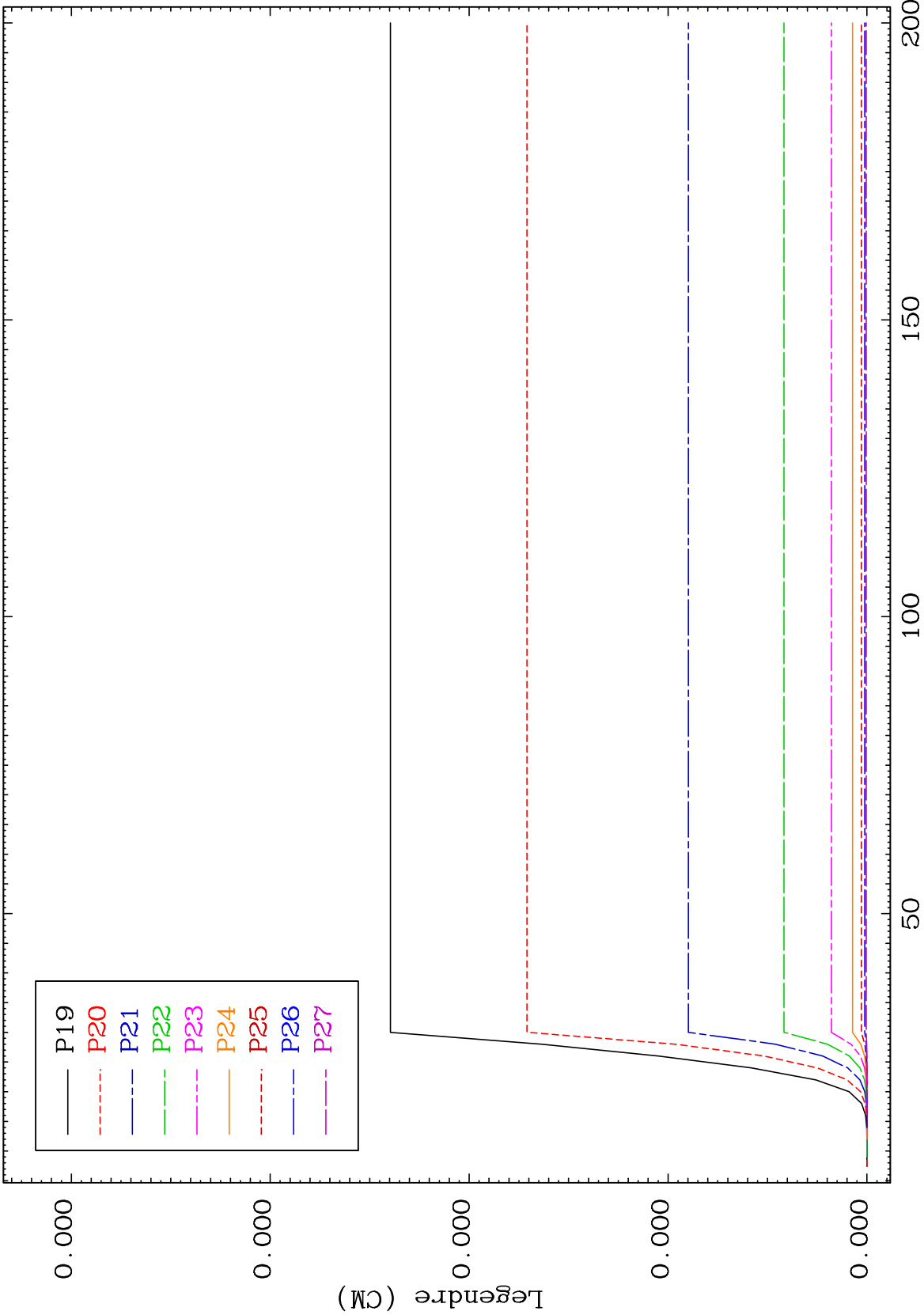
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 53 (n,n') Level
Legendre Coefficients

44-Ru-104



30

Incident Energy (MeV)

50

100

150

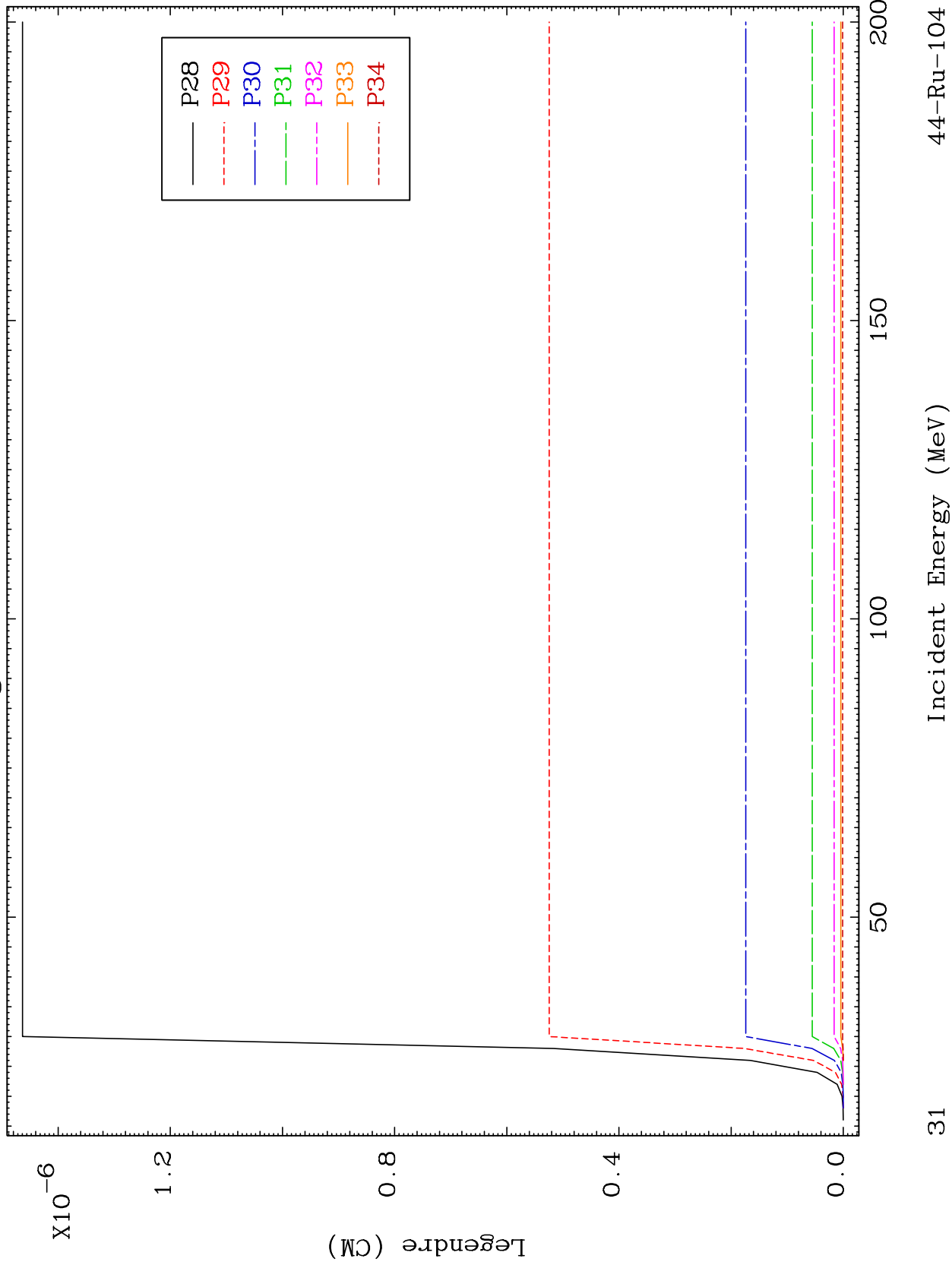
200

44-Ru-104

MAT 4449

MT= 53 (n,n') Level
Legendre Coefficients

44-Ru-104



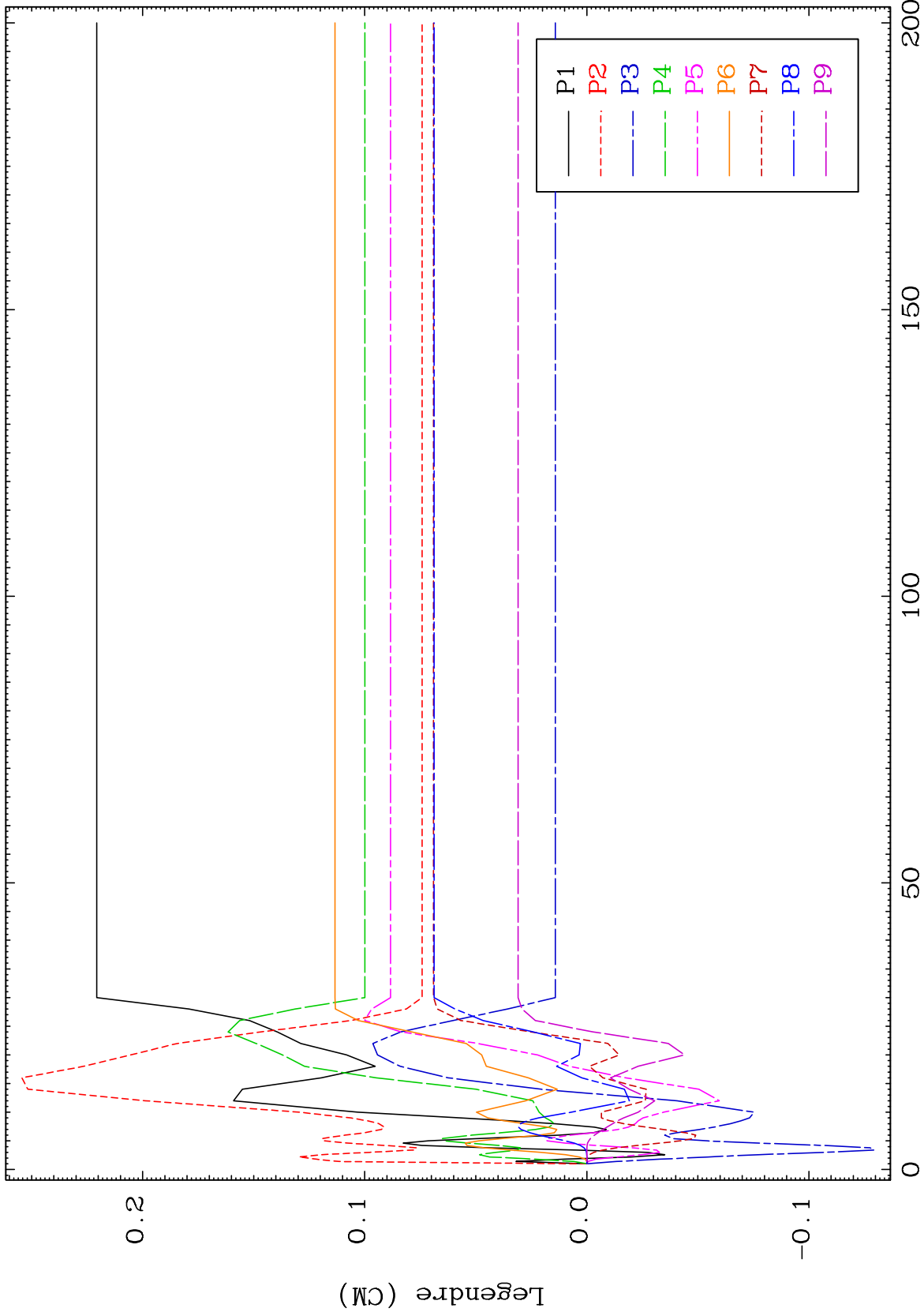
31

44-Ru-104

MAT 4449

MT= 54 (n,n') Level
Legendre Coefficients

44-Ru-104



32

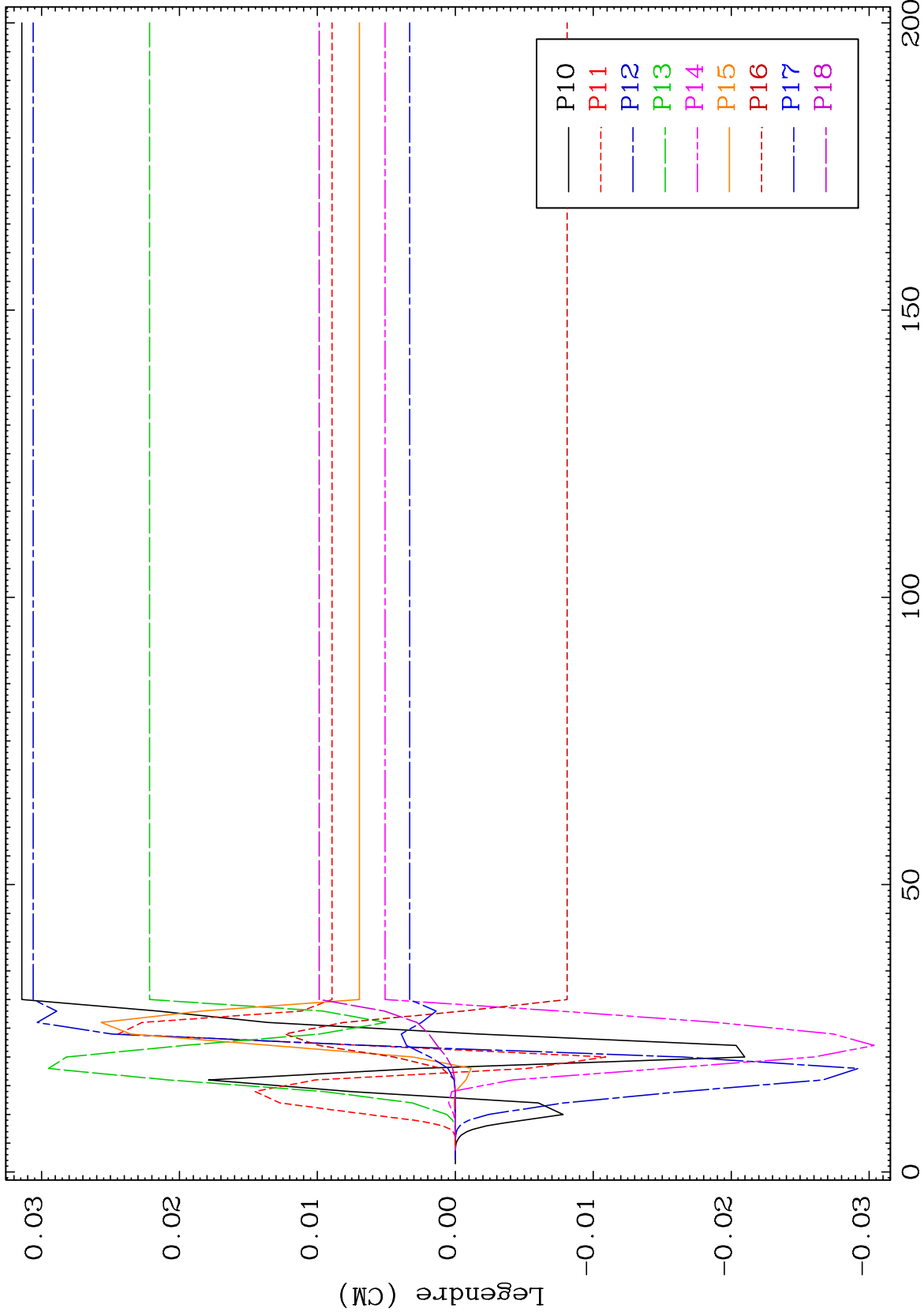
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 54 (n,n') Level
Legendre Coefficients

44-Ru-104



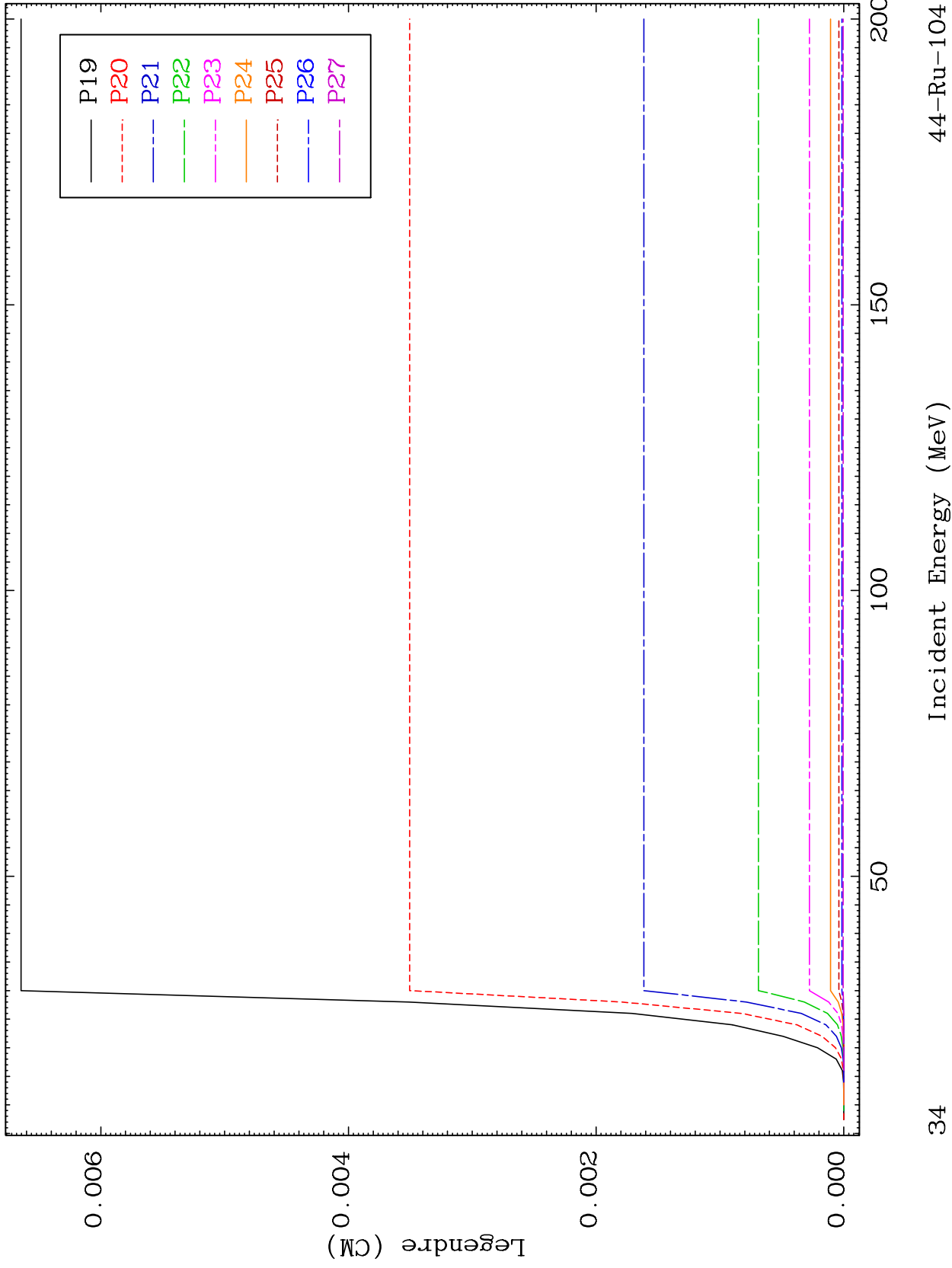
33

44-Ru-104

MAT 4449

MT= 54 (n,n') Level
Legendre Coefficients

44-Ru-104



34

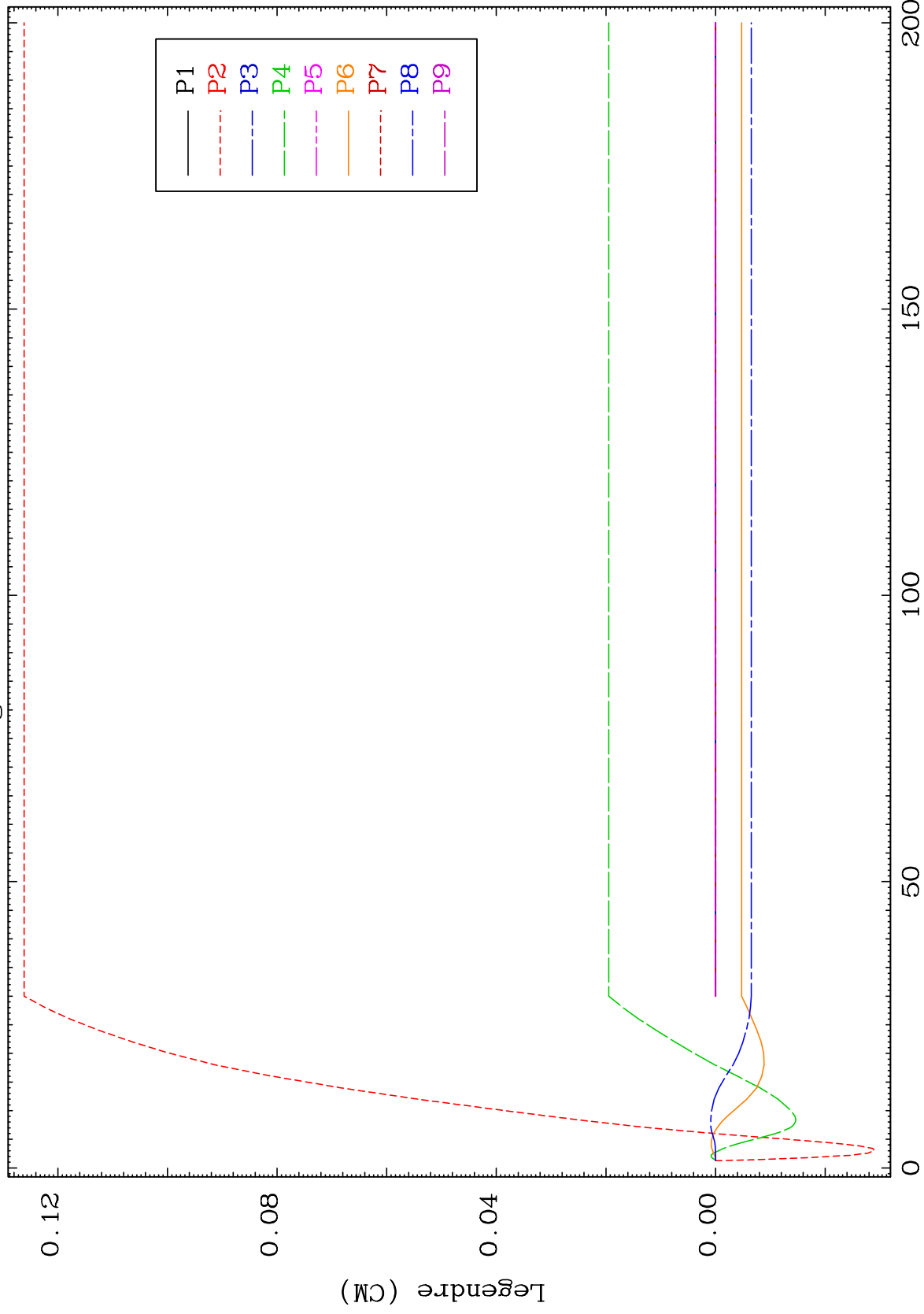
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 55 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

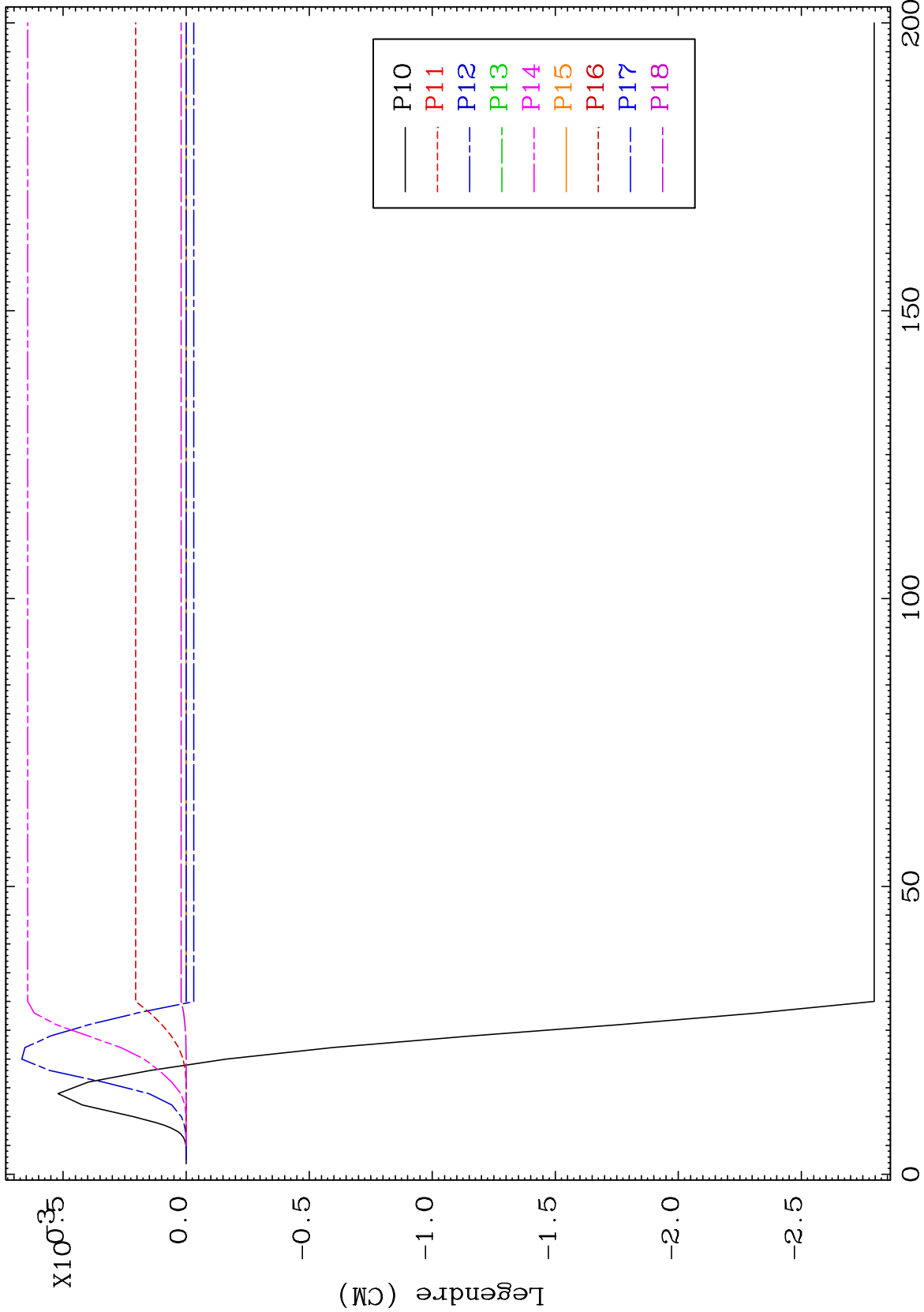
Incident Energy (MeV)

36

MAT 4449

MT= 55 (n,n') Level
Legendre Coefficients

44-Ru-104



37

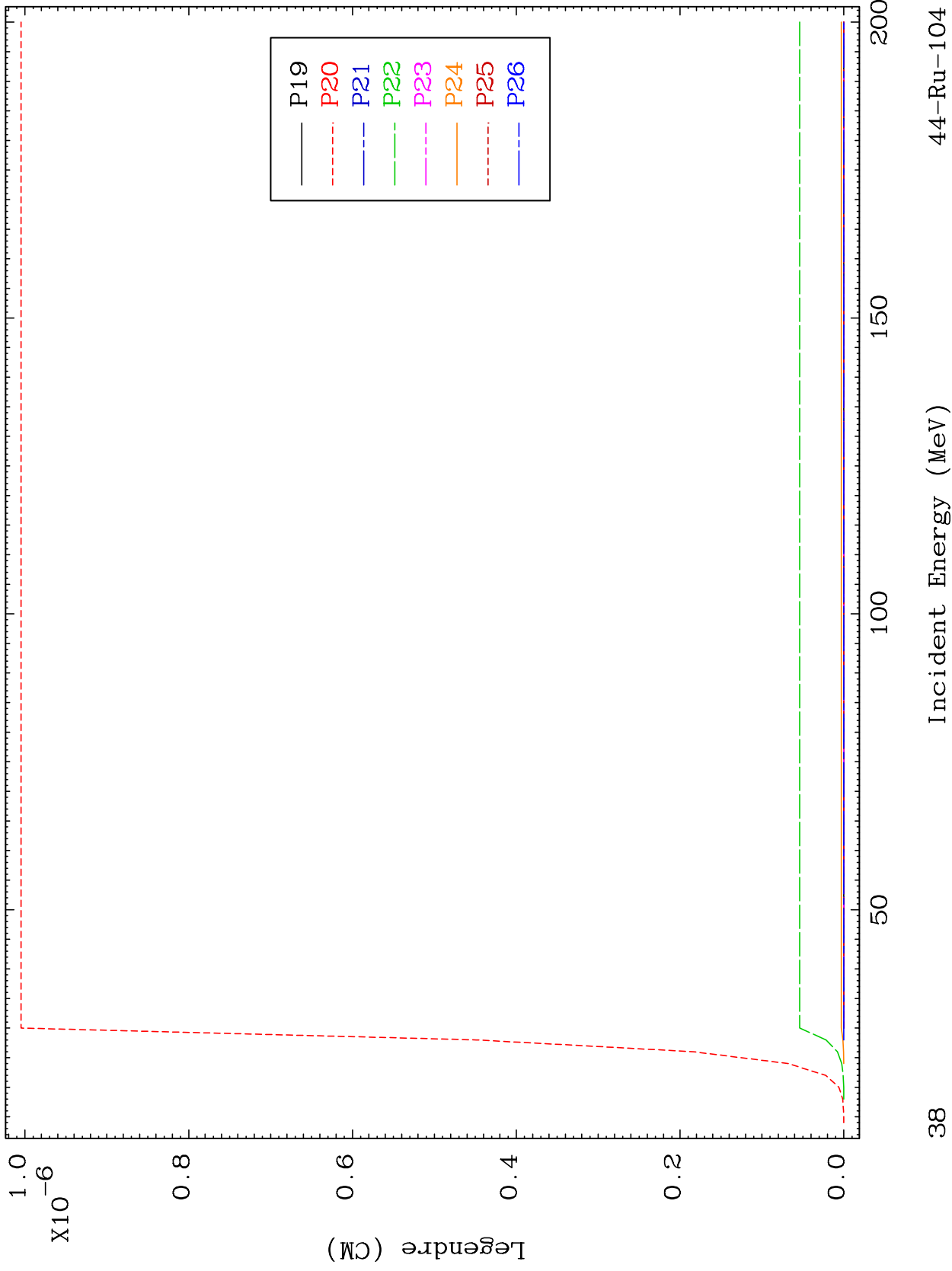
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 55 (n,n') Level
Legendre Coefficients

44-Ru-104



38

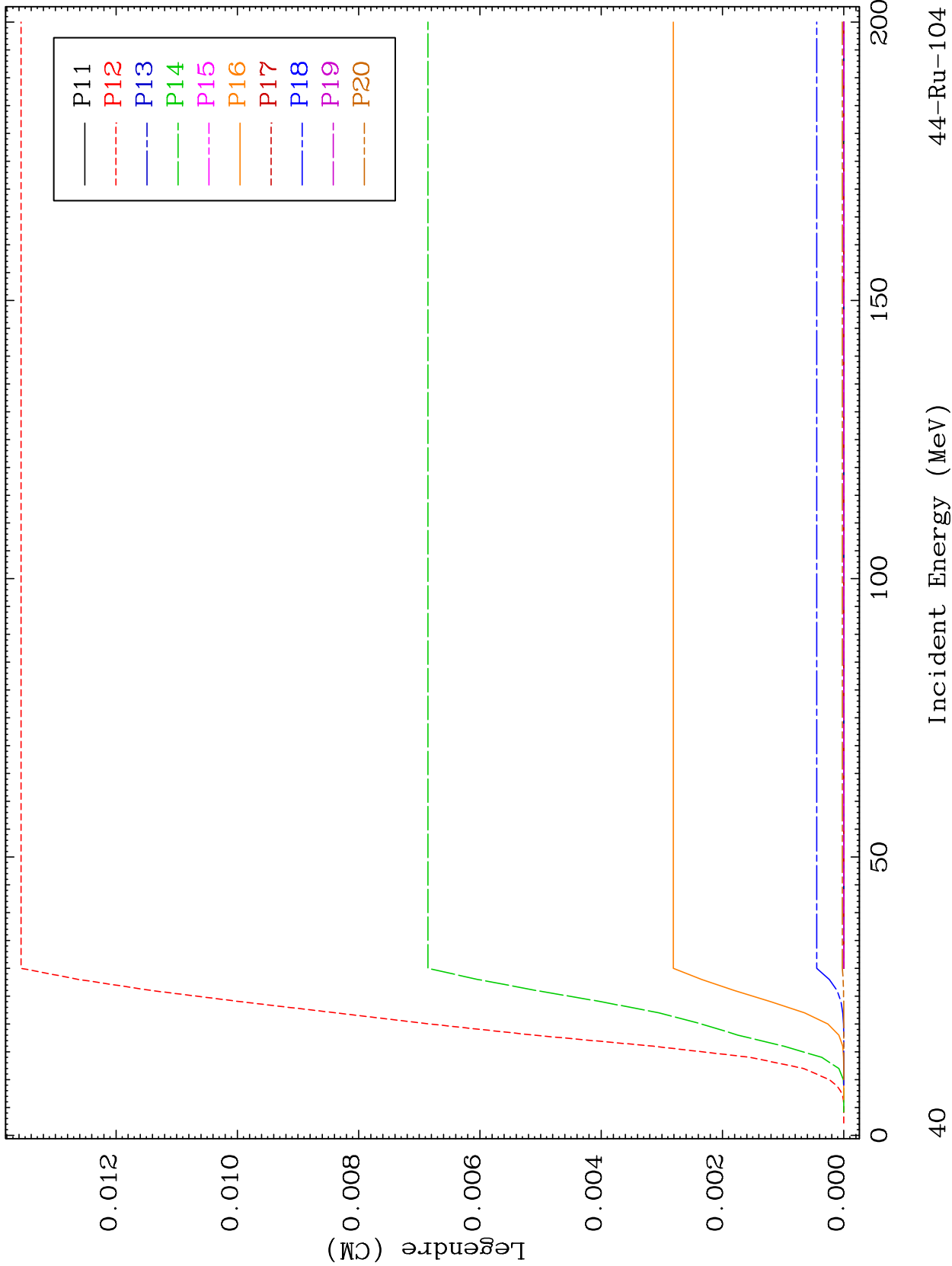
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 56 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

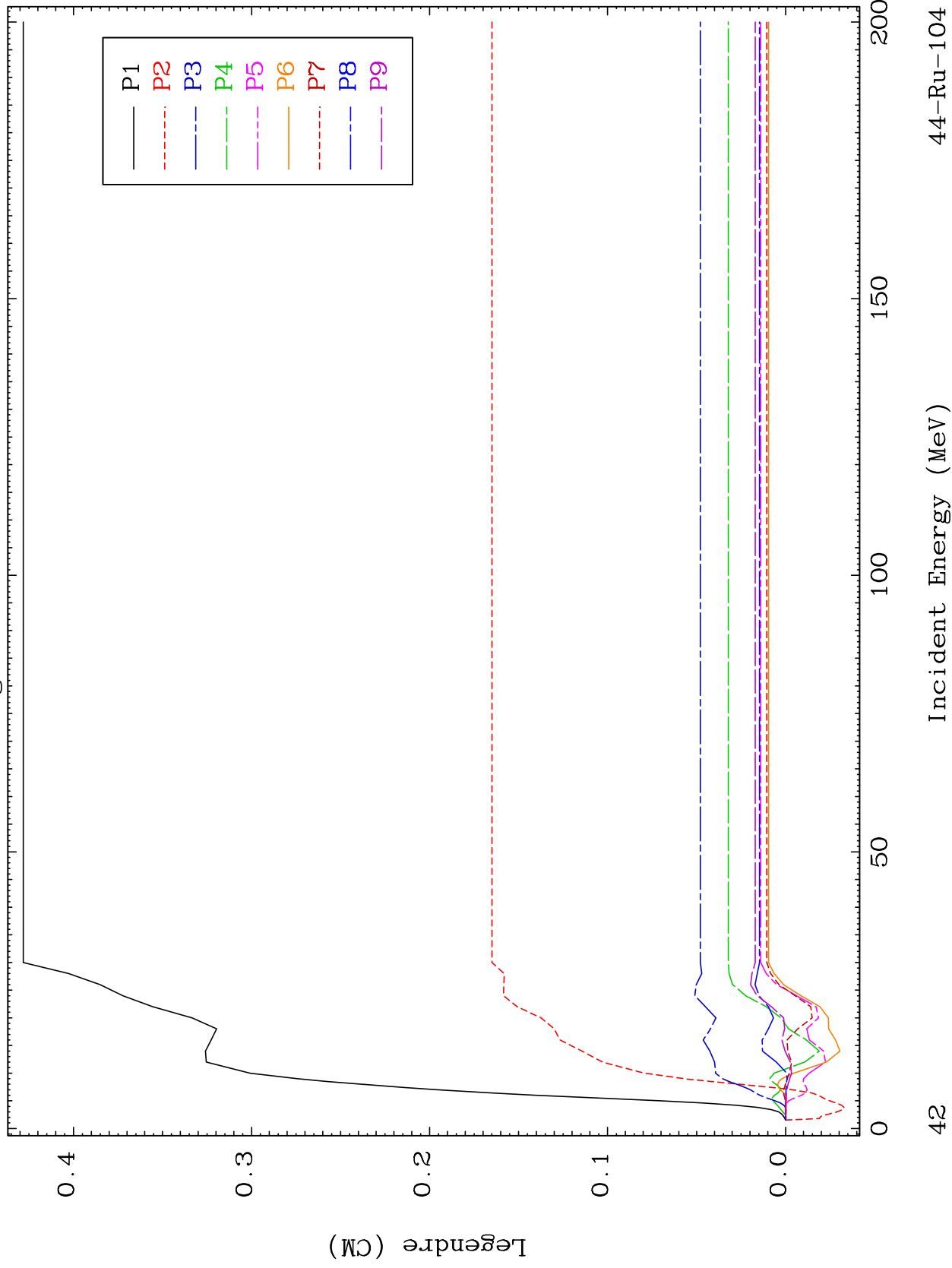
Incident Energy (MeV)

40

MAT 4449

MT= 57 (n,n') Level
Legendre Coefficients

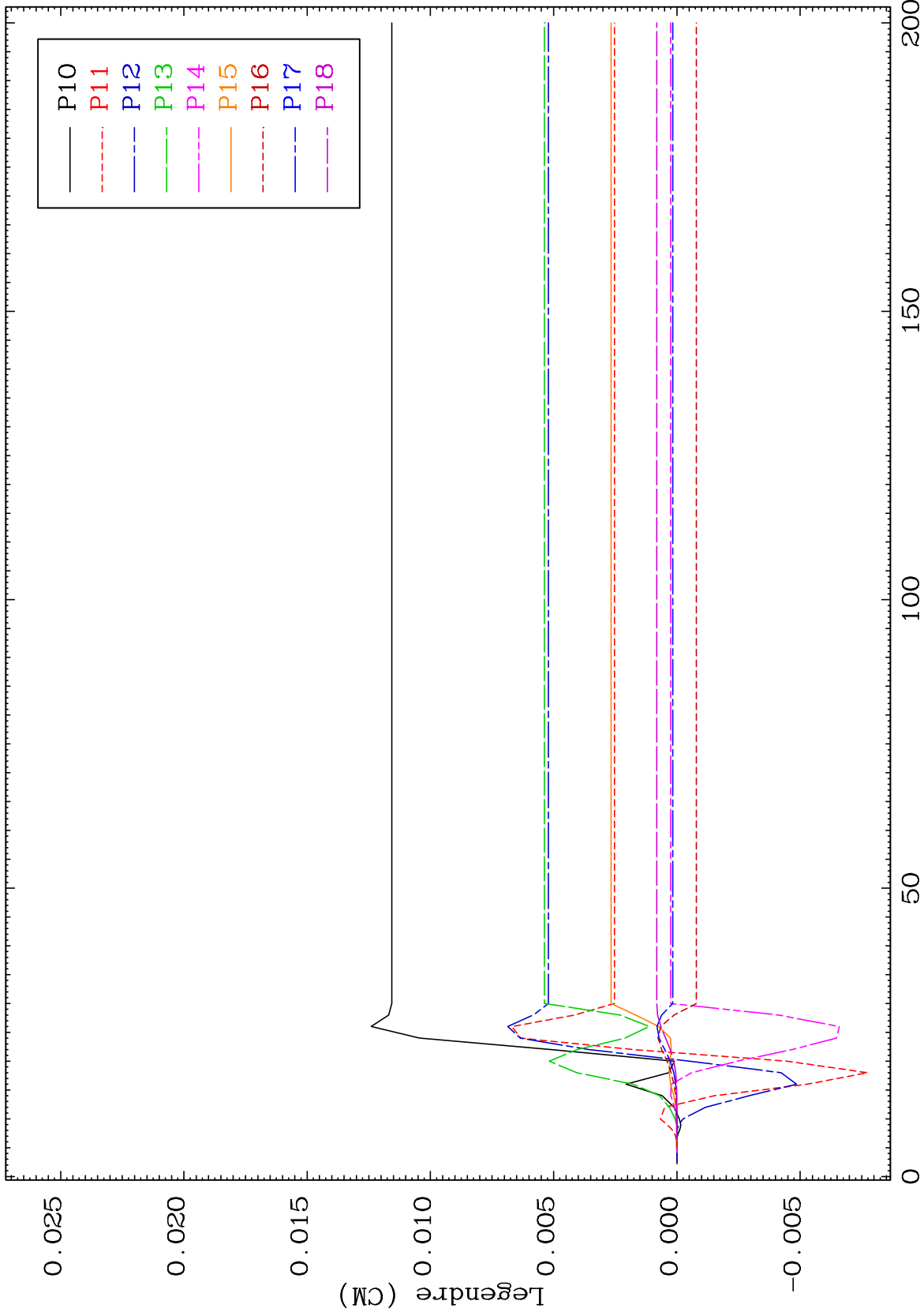
44-Ru-104



MAT 4449

MT= 57 (n,n') Level
Legendre Coefficients

44-Ru-104



43

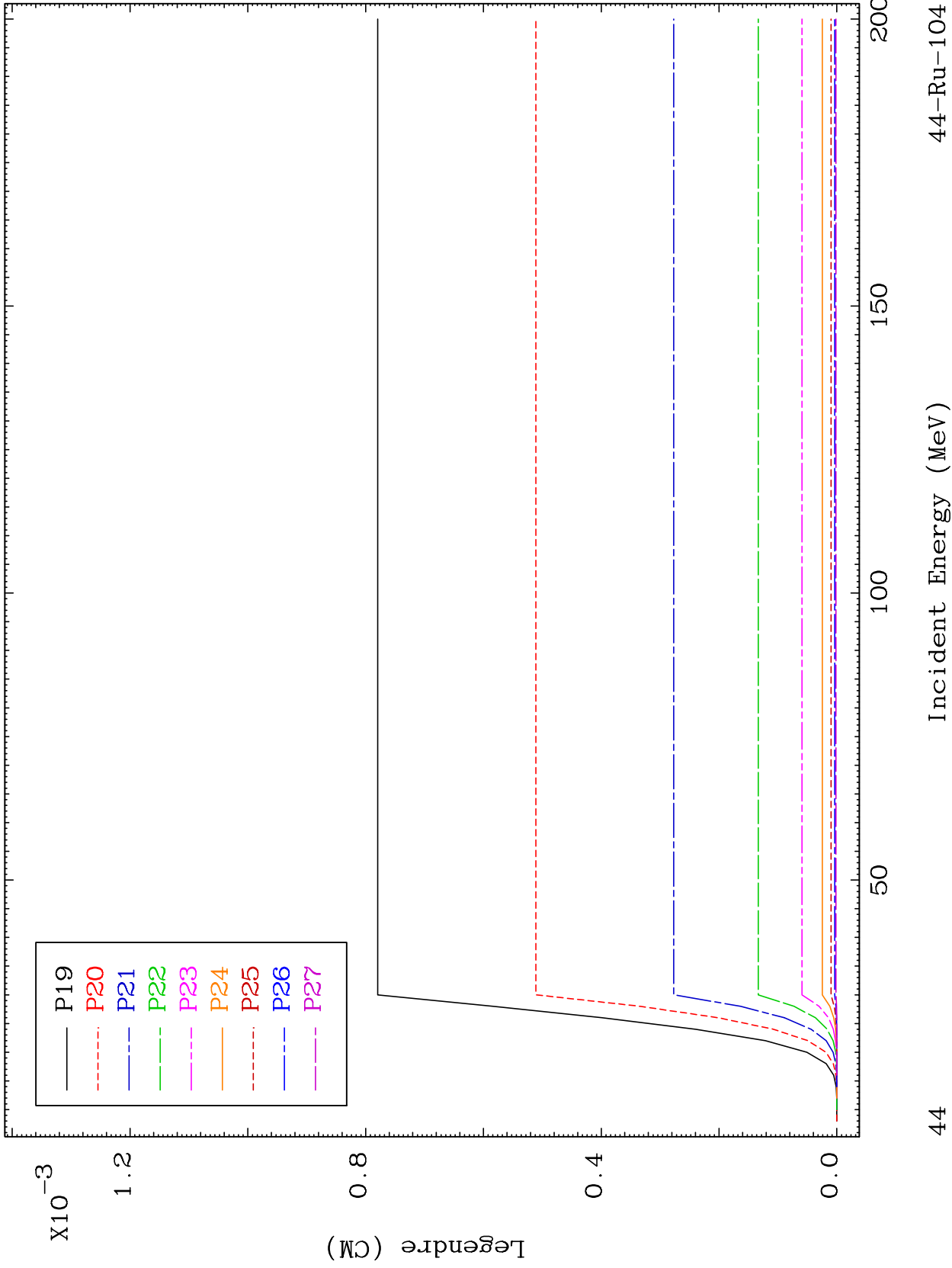
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 57 (n,n') Level
Legendre Coefficients

44-Ru-104

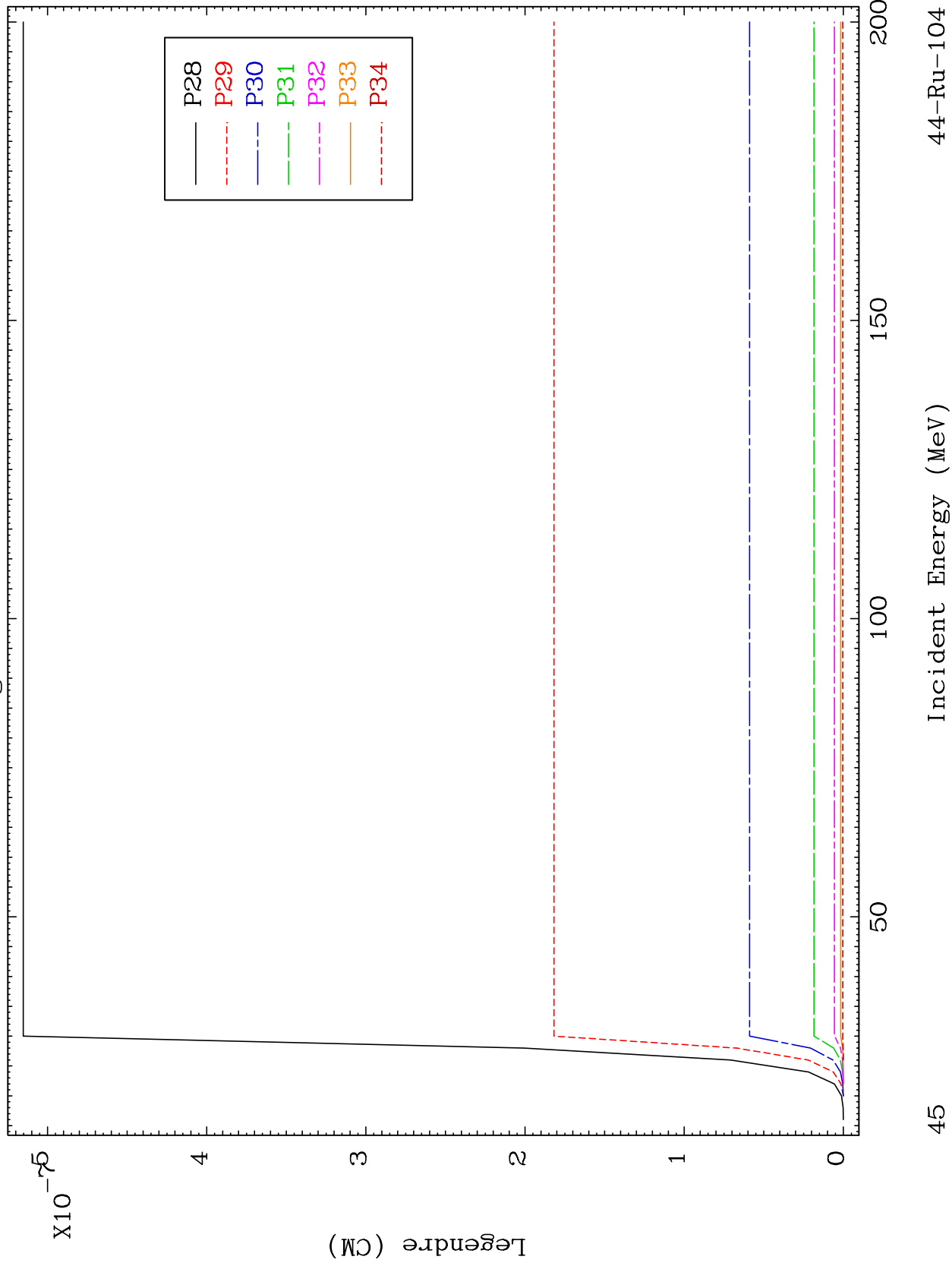


44

MAT 4449

MT= 57 (n,n') Level
Legendre Coefficients

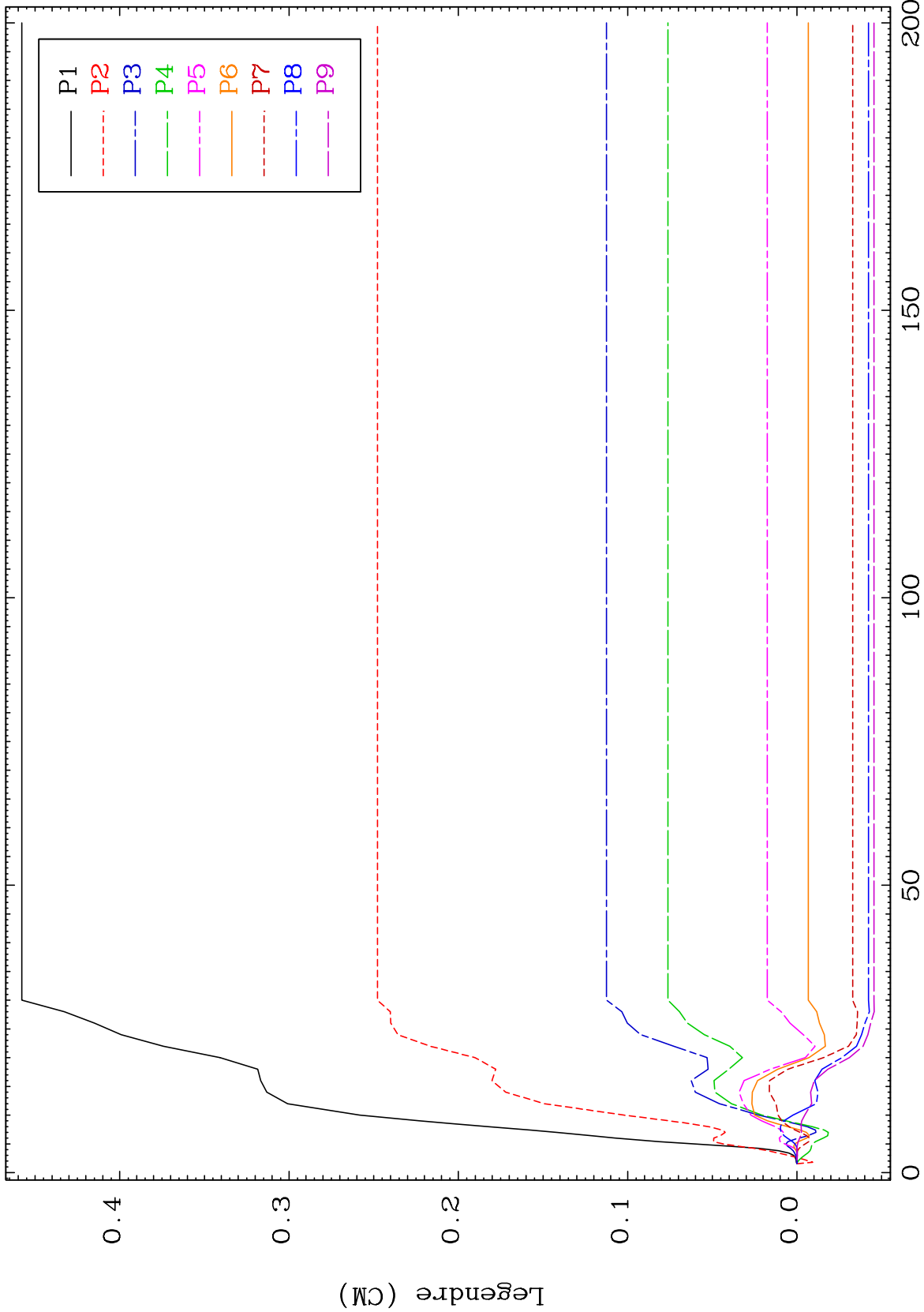
44-Ru-104



MAT 4449

MT= 58 (n,n') Level
Legendre Coefficients

44-Ru-104



46

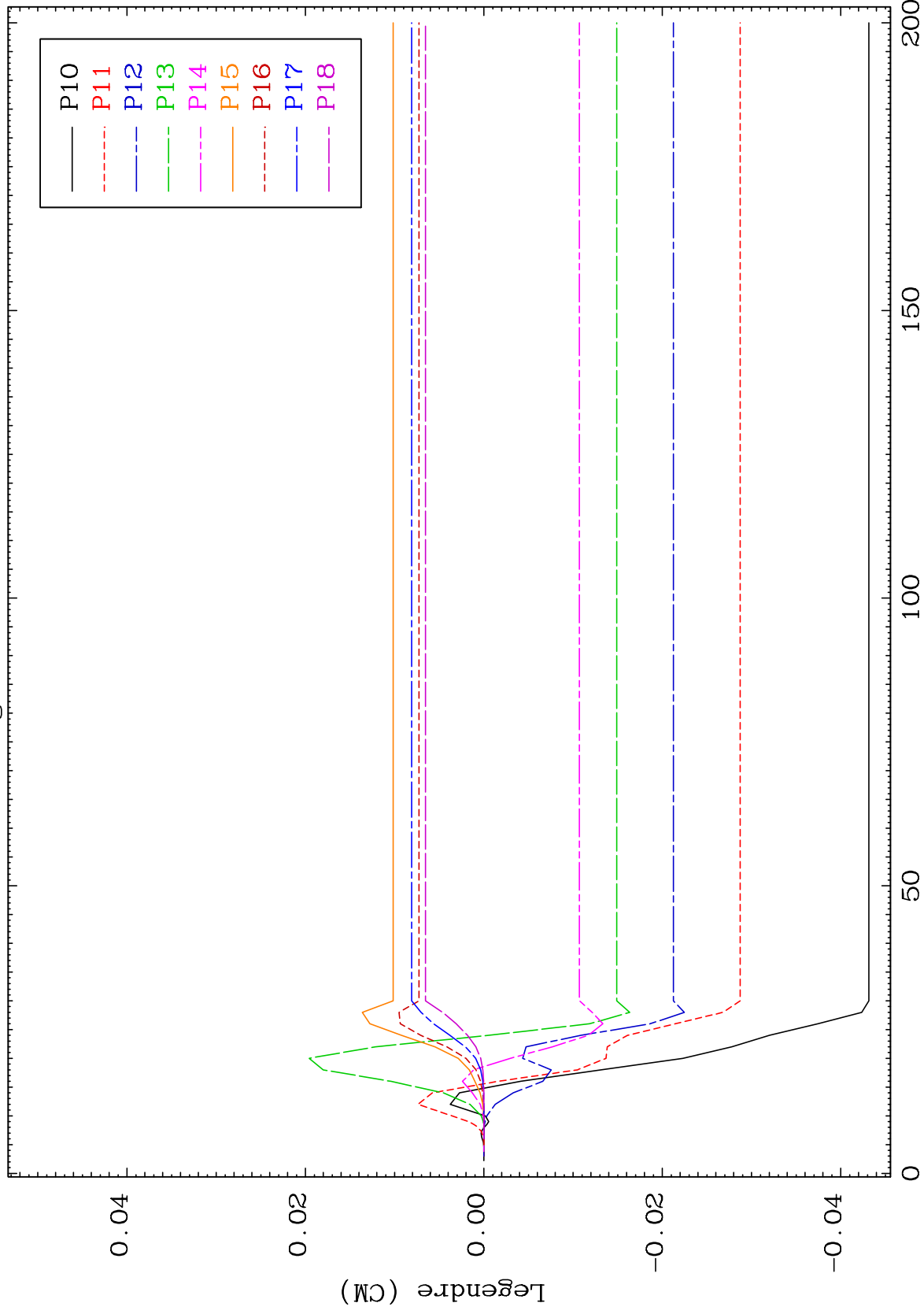
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 58 (n,n') Level
Legendre Coefficients

44-Ru-104



47

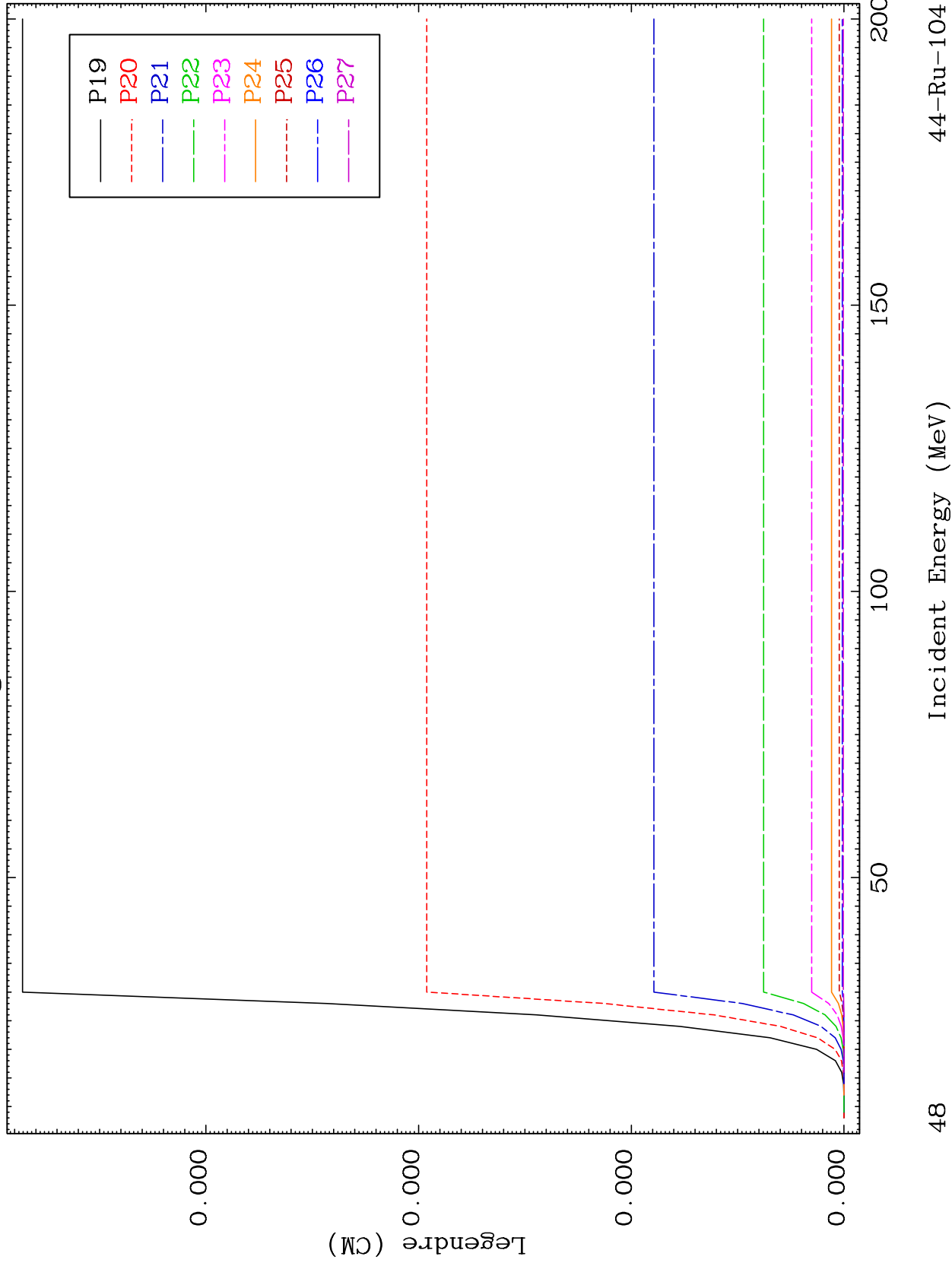
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 58 (n,n') Level
Legendre Coefficients

44-Ru-104



48

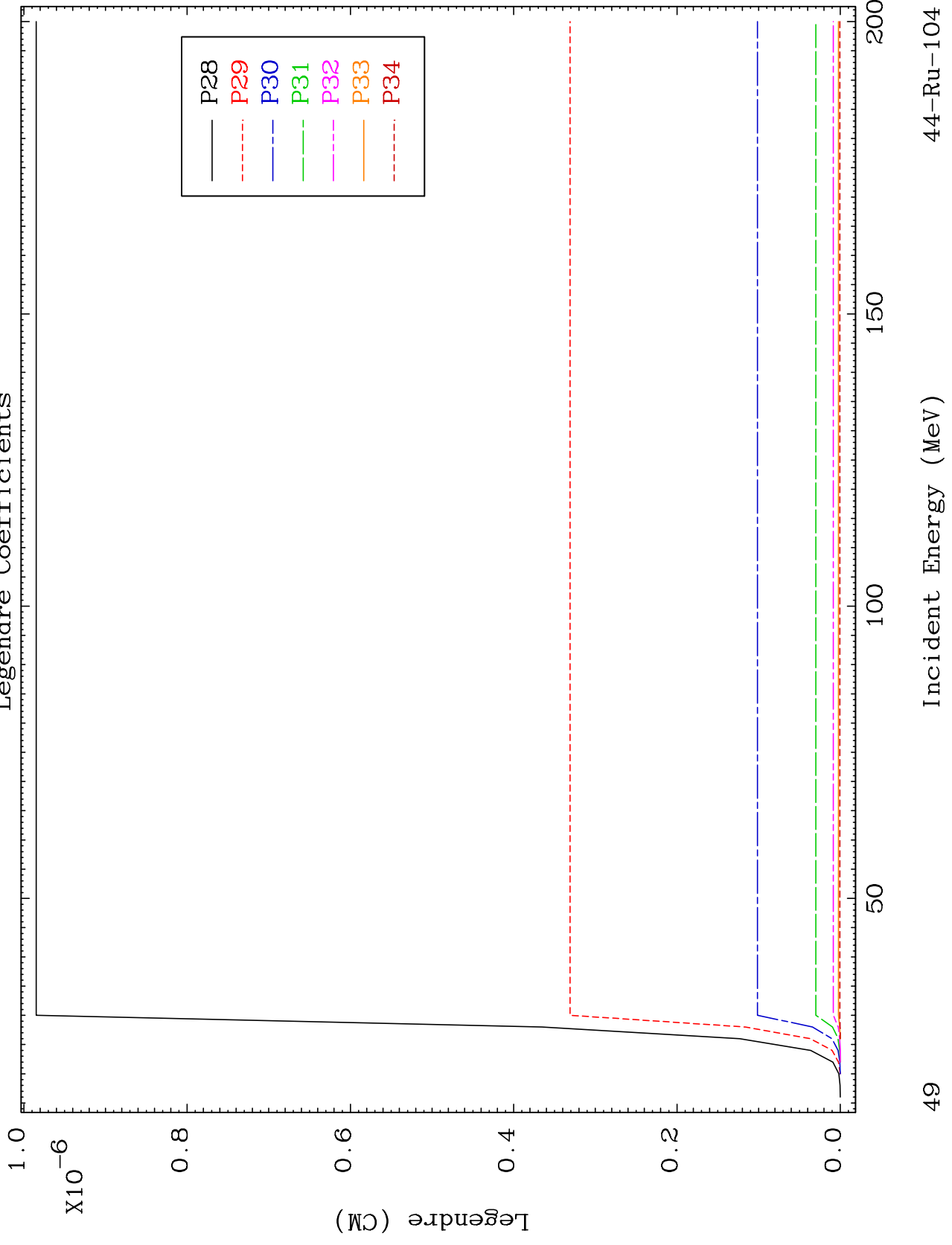
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 58 (n,n') Level
Legendre Coefficients

44-Ru-104



49

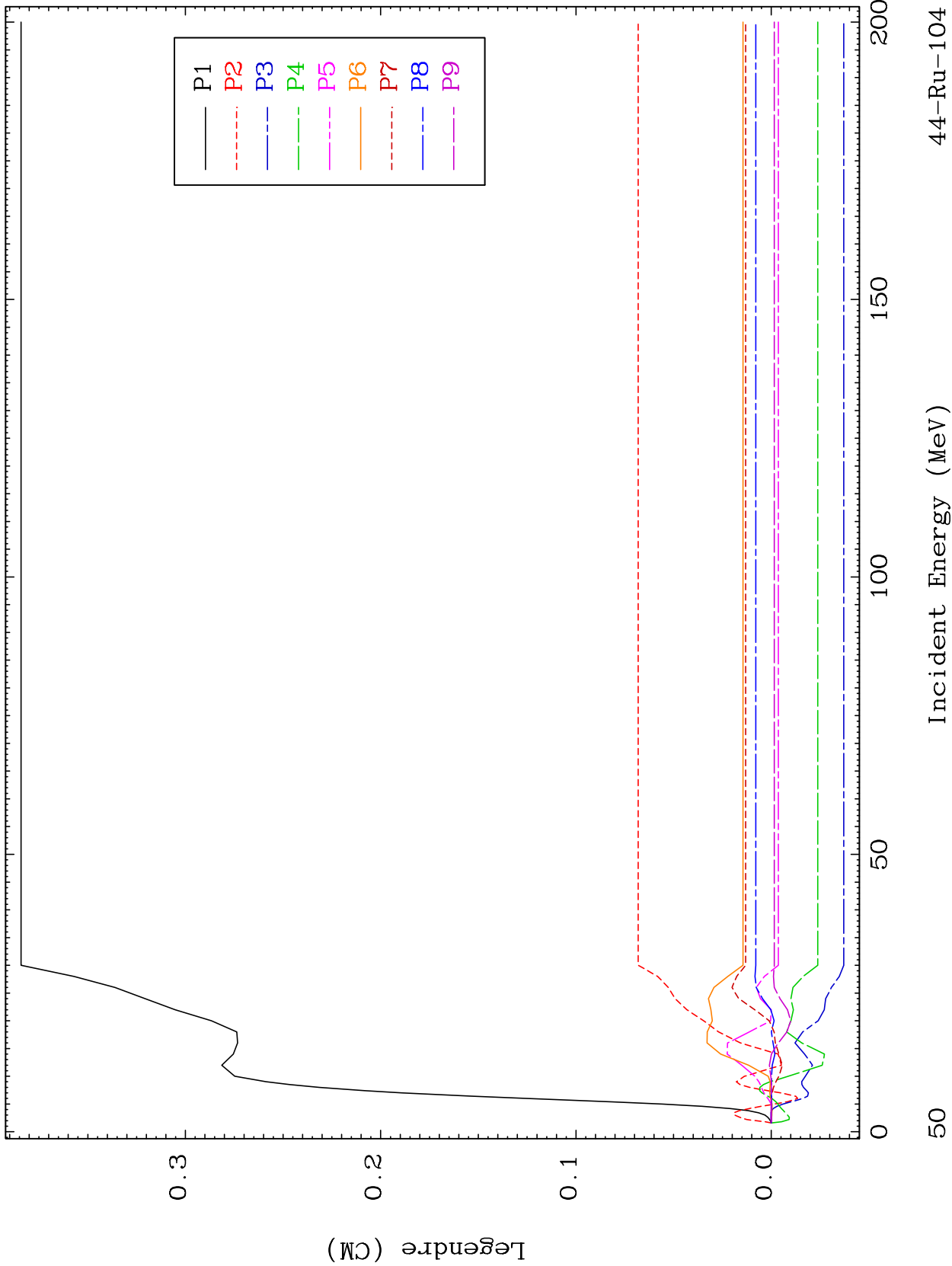
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 59 (n,n') Level
Legendre Coefficients

44-Ru-104

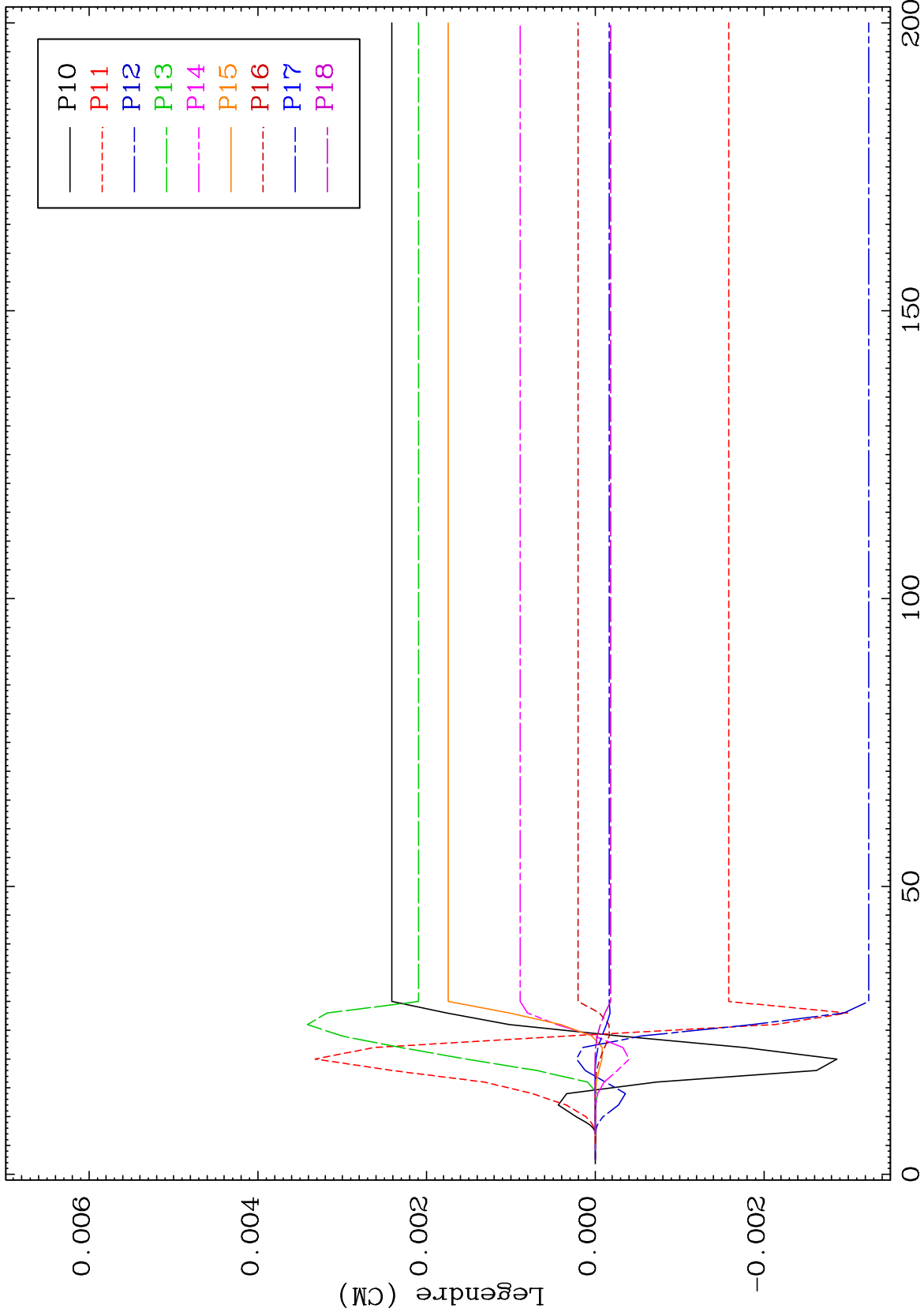


44-Ru-104

MAT 4449

MT= 59 (n,n') Level
Legendre Coefficients

44-Ru-104



51

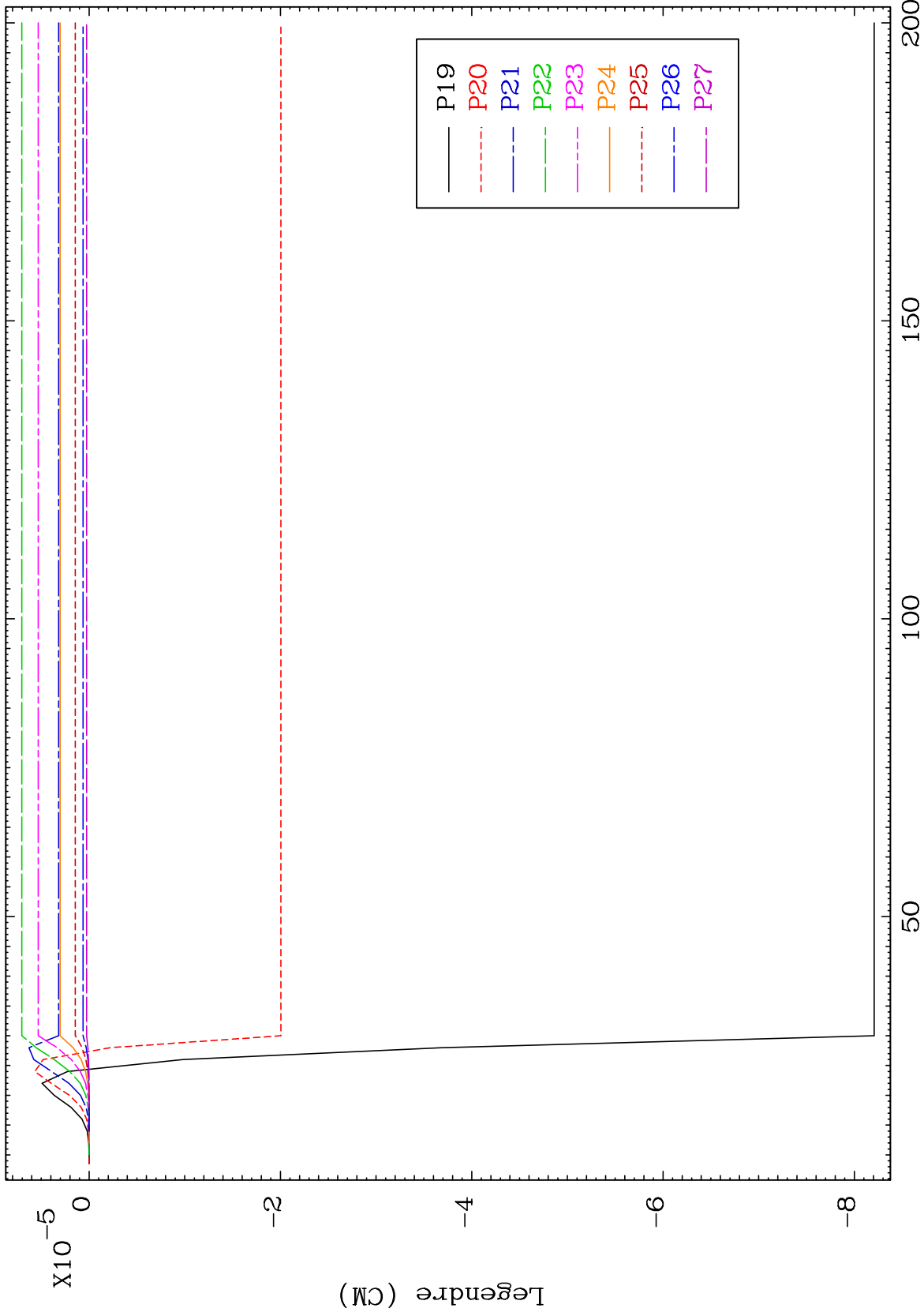
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 59 (n,n') Level
Legendre Coefficients

44-Ru-104



52

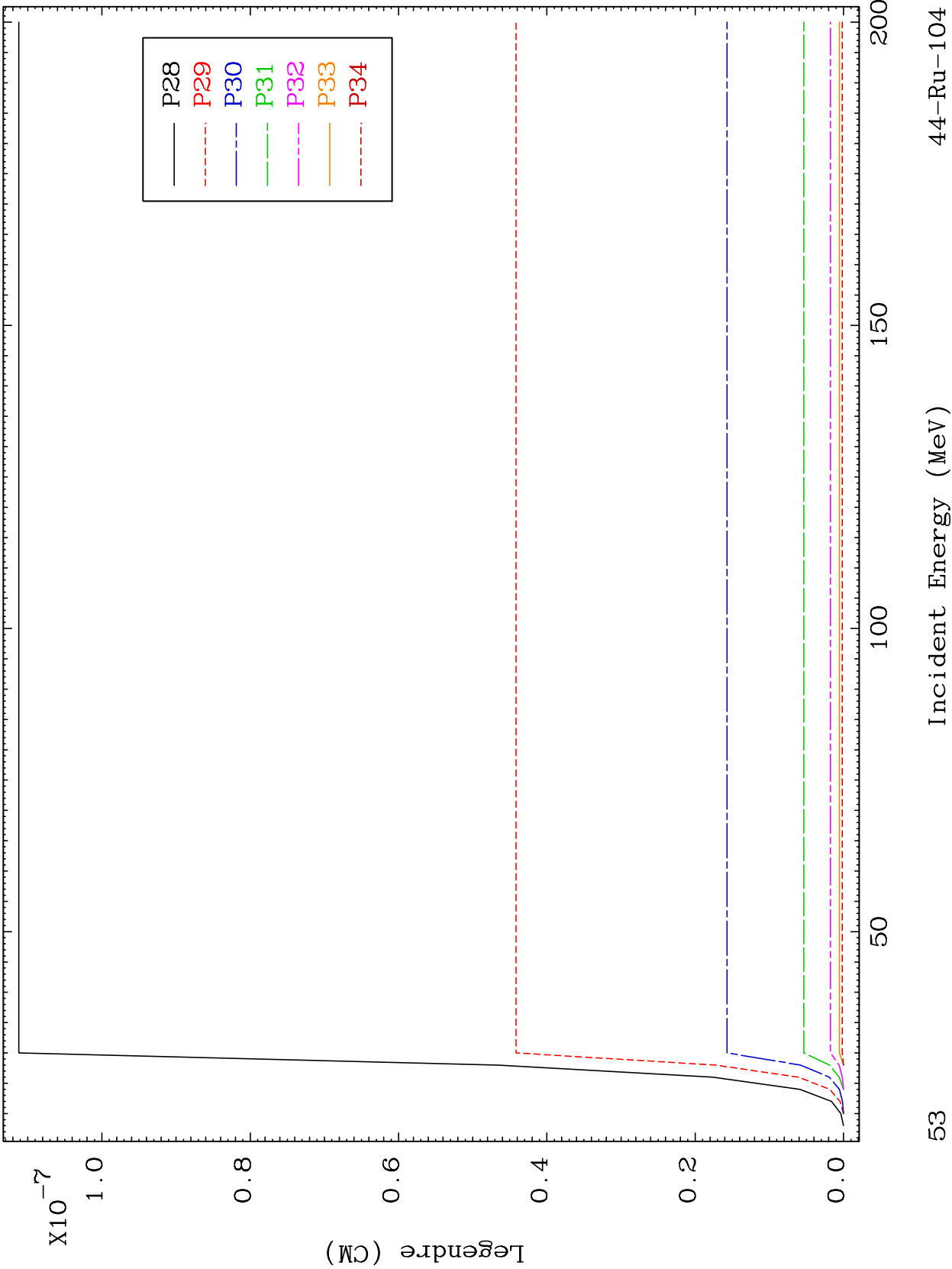
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 59 (n,n') Level
Legendre Coefficients

44-Ru-104



53

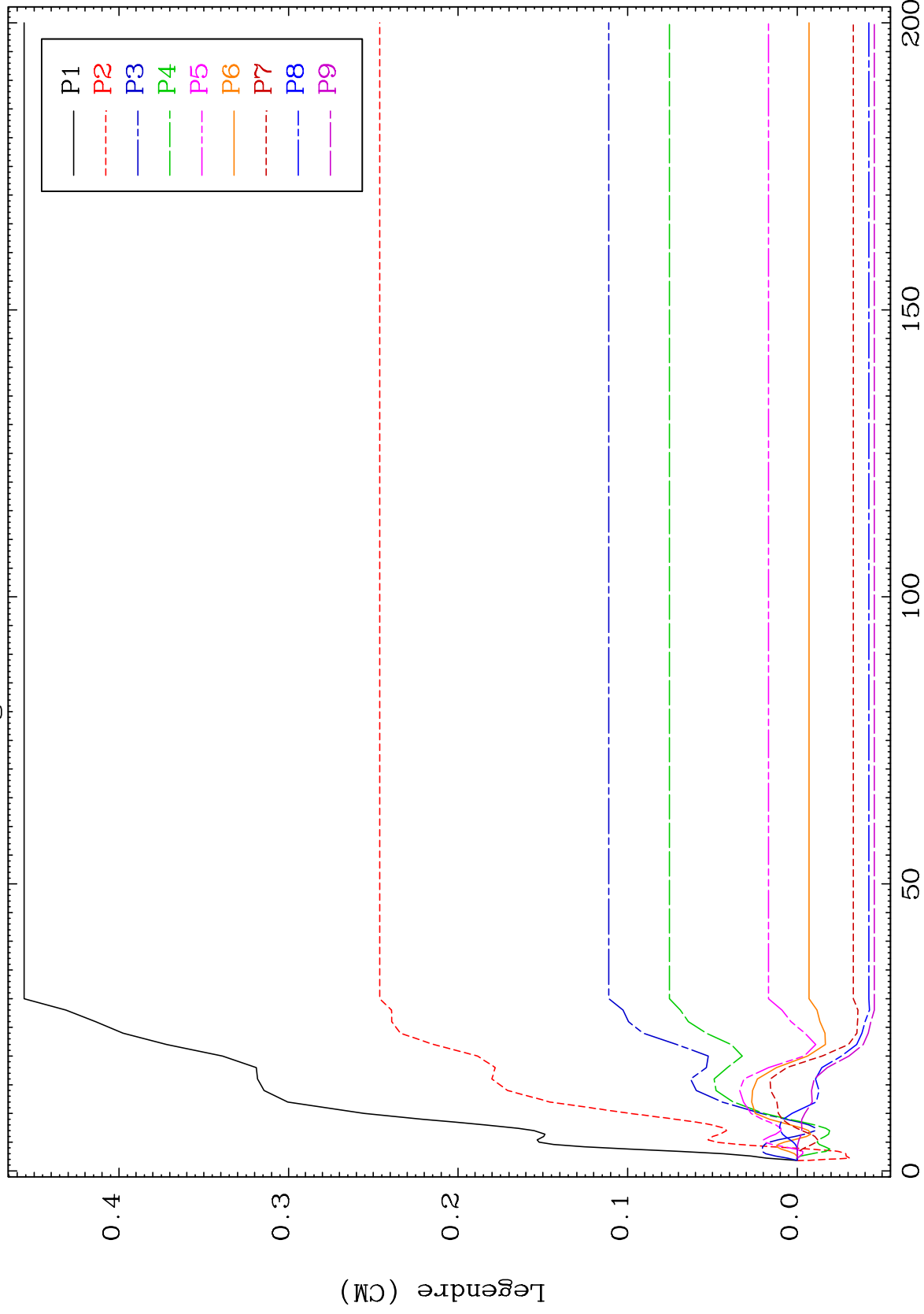
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 60 (n,n') Level
Legendre Coefficients

44-Ru-104



54

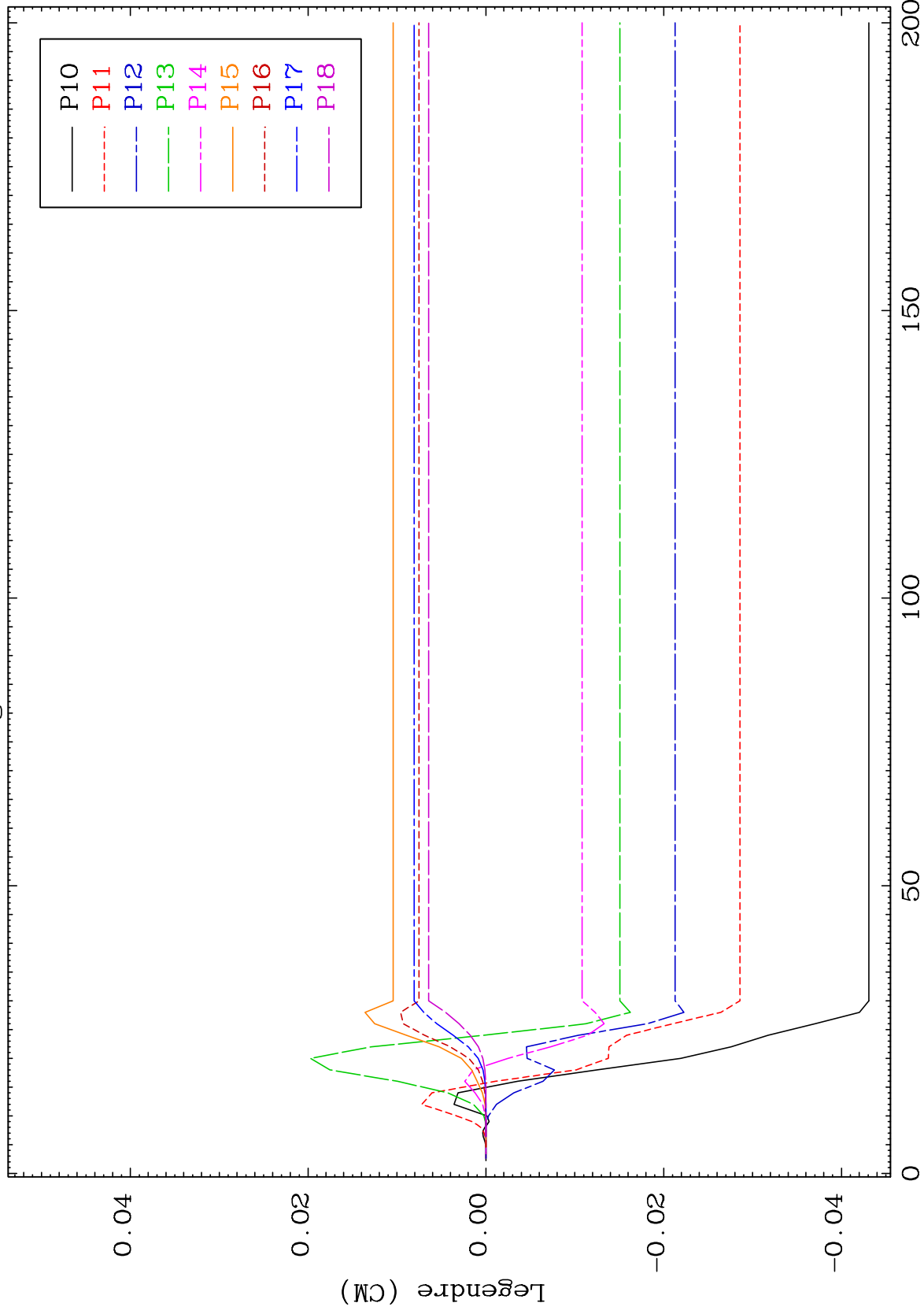
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 60 (n,n') Level
Legendre Coefficients

44-Ru-104



55

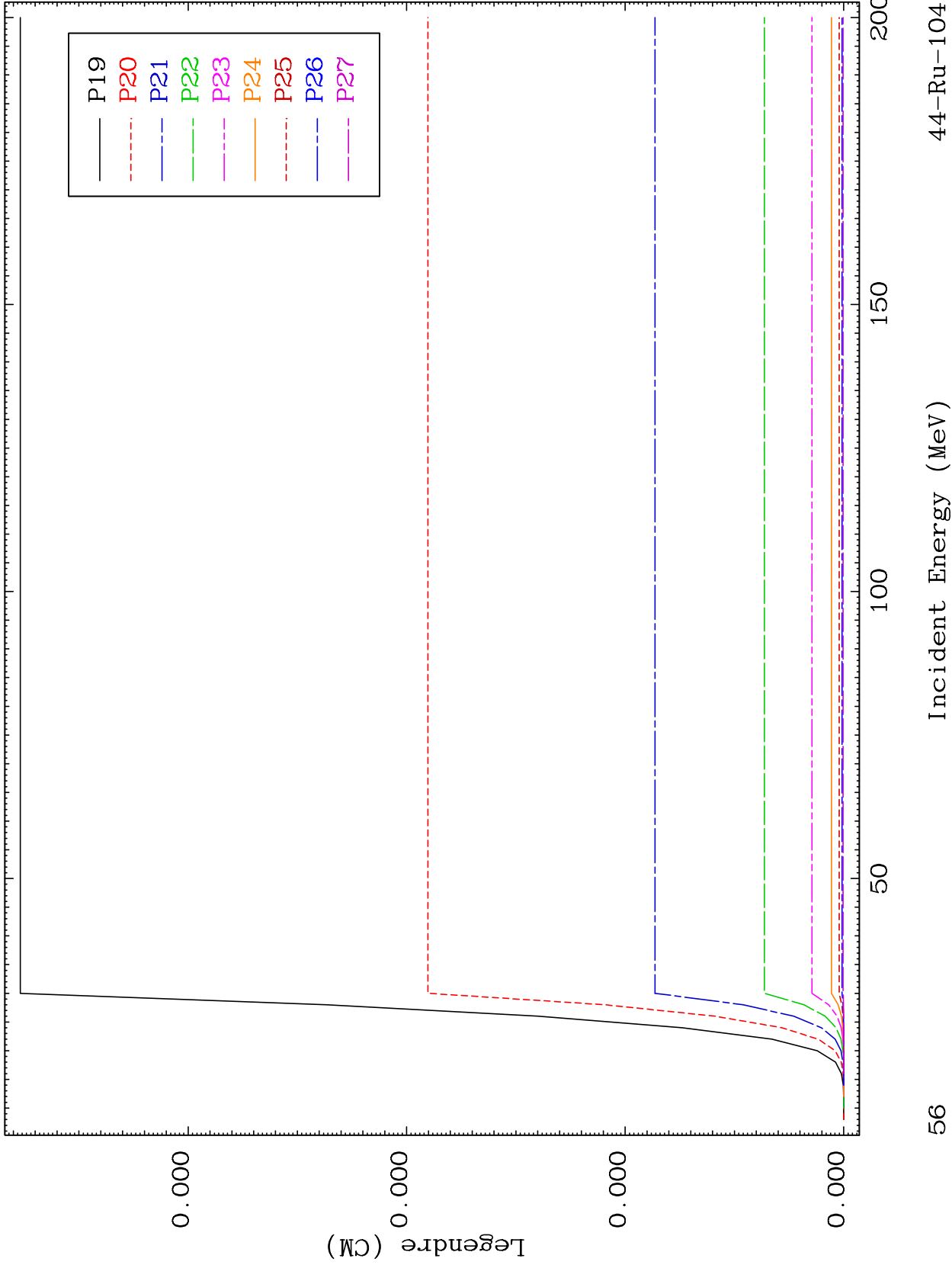
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 60 (n,n') Level
Legendre Coefficients

44-Ru-104



56

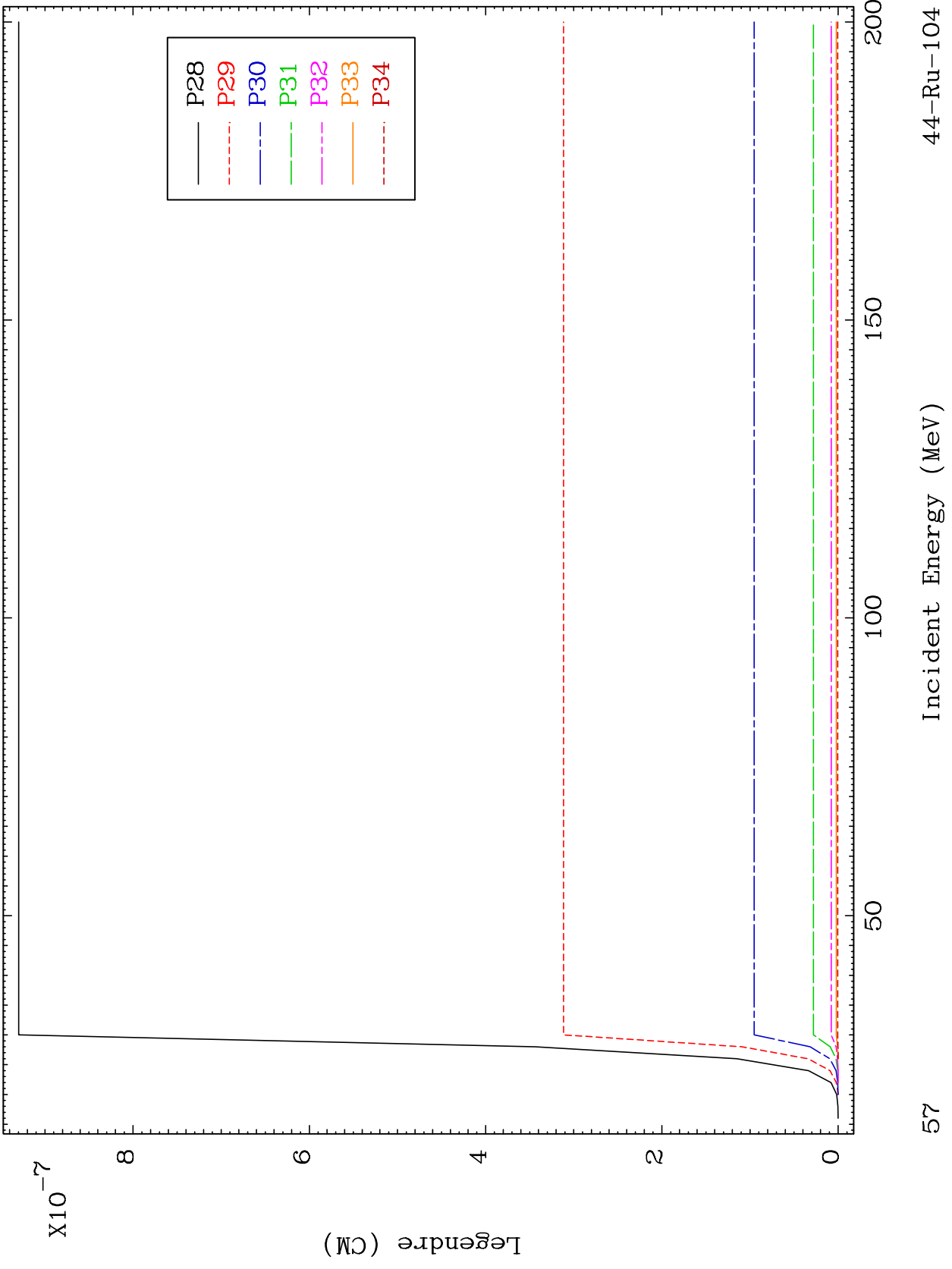
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 60 (n,n') Level
Legendre Coefficients

44-Ru-104



57

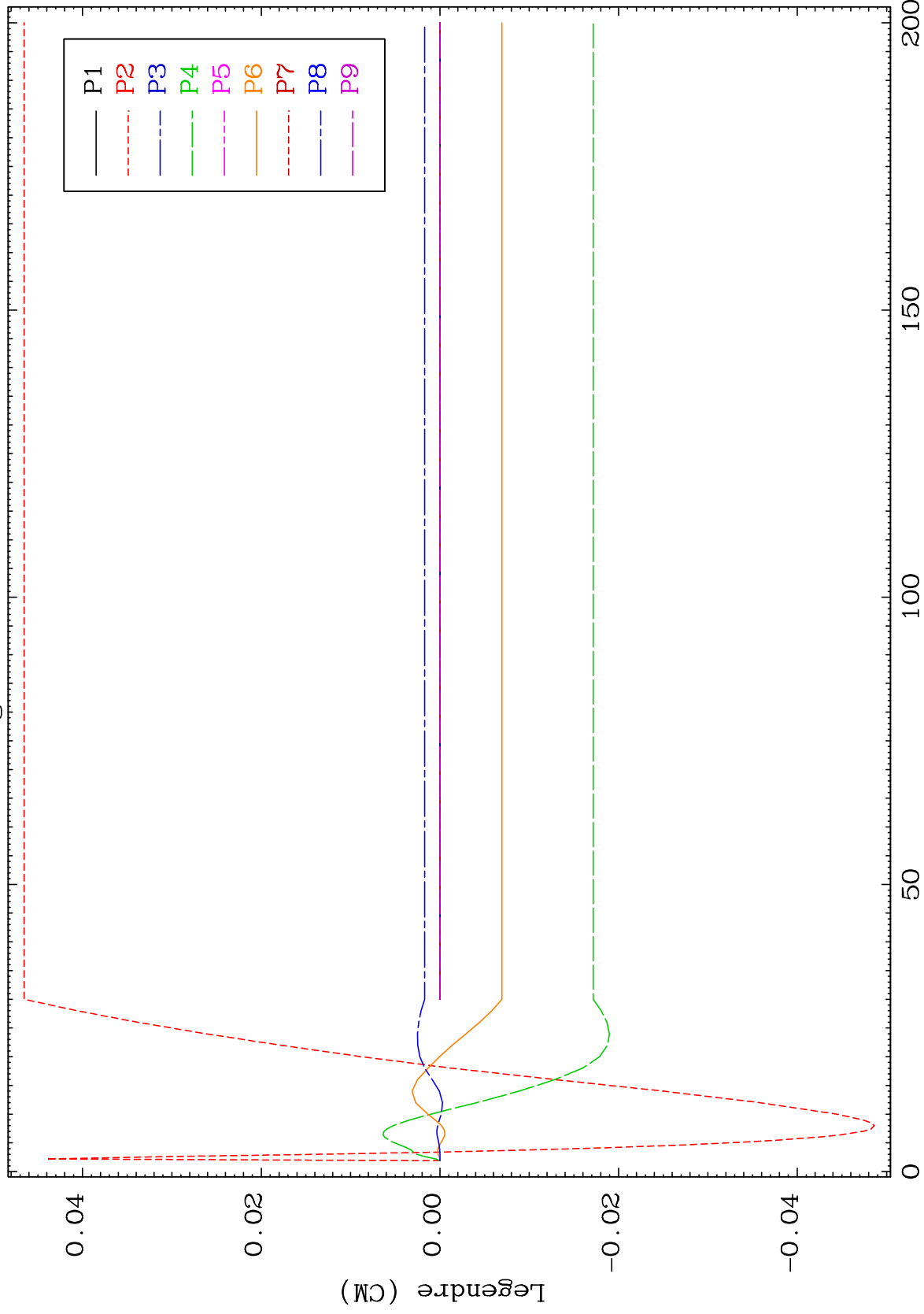
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 61 (n,n') Level
Legendre Coefficients

44-Ru-104



58

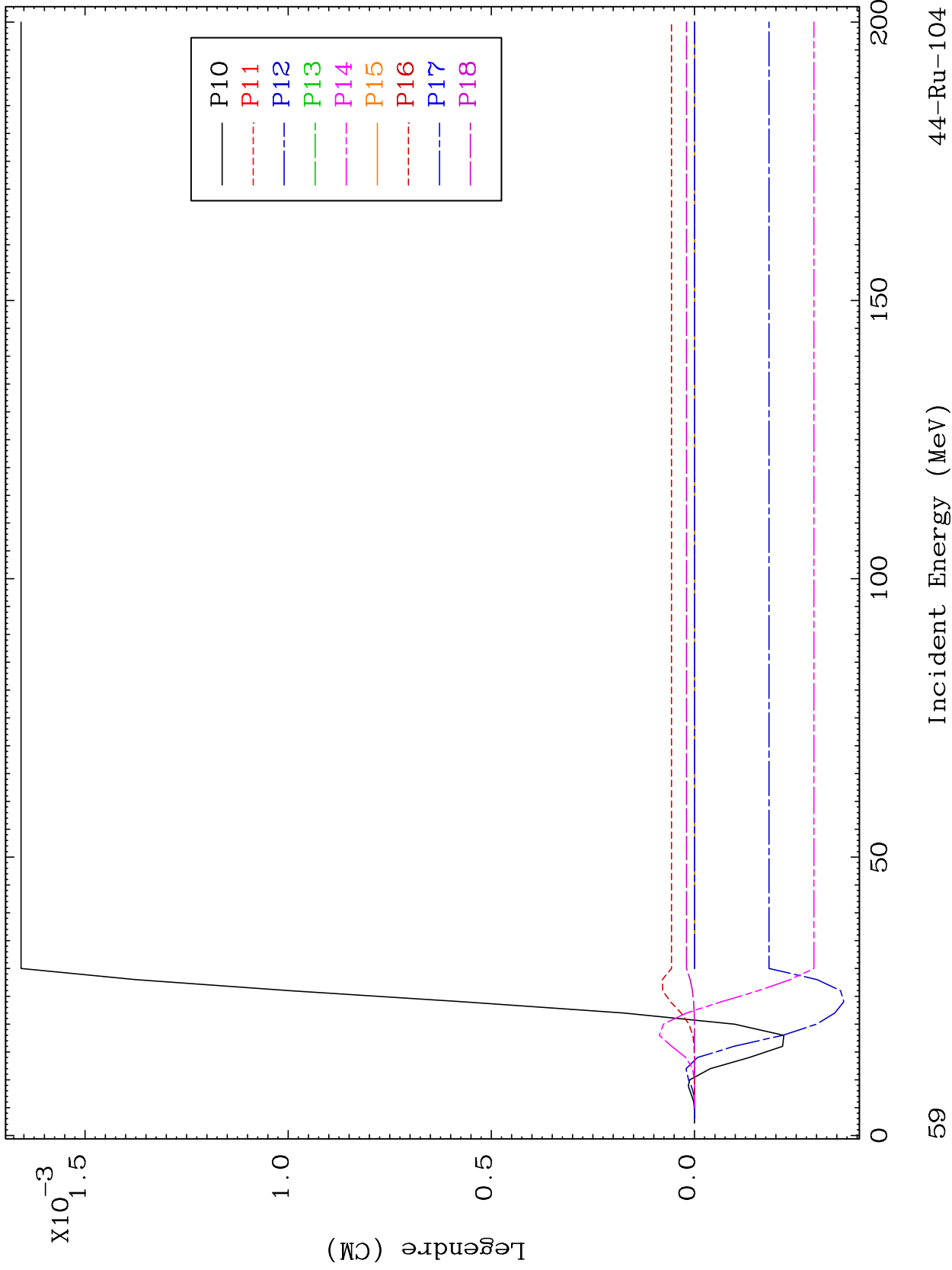
Incident Energy (MeV)

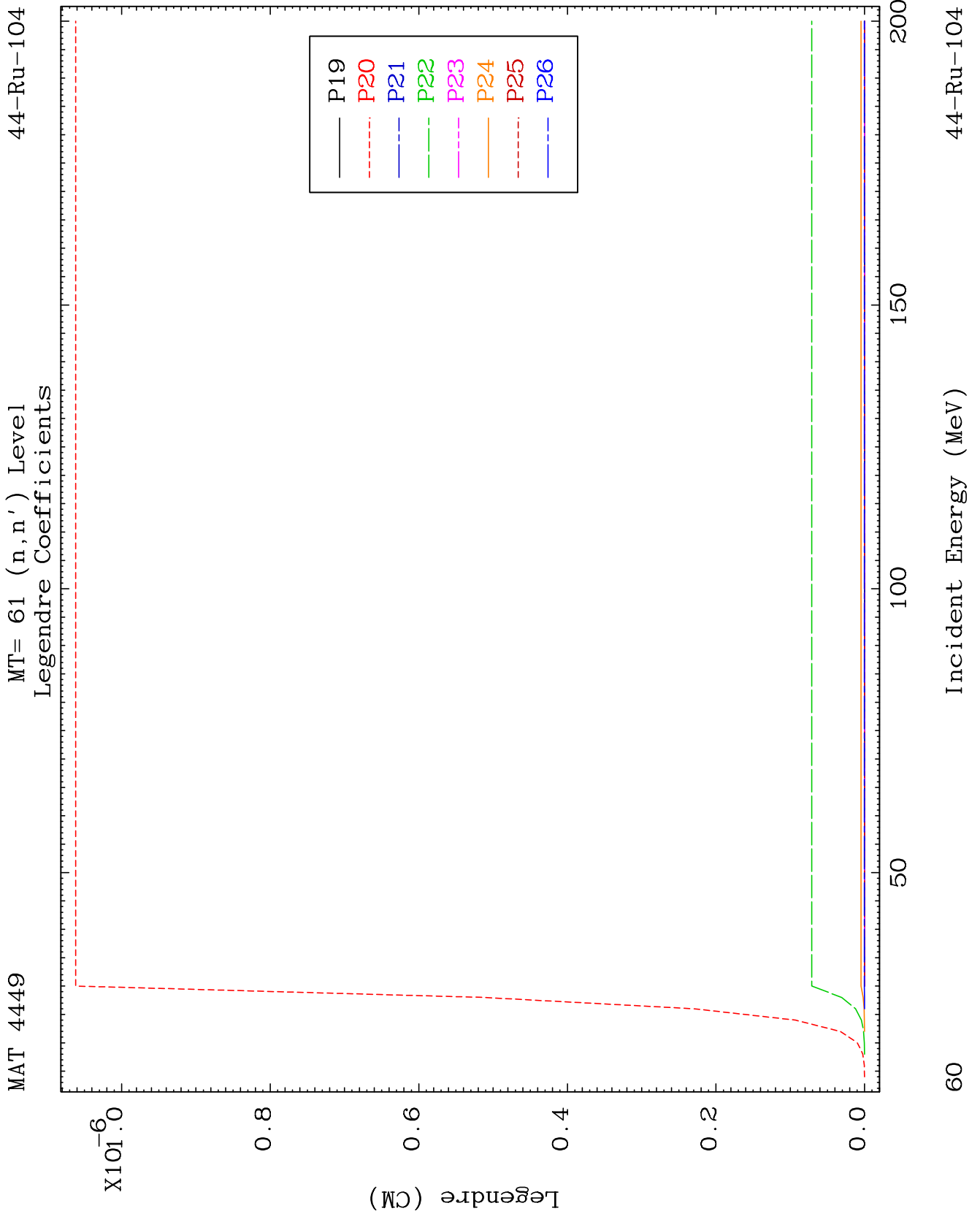
44-Ru-104

MAT 4449

MT= 61 (n,n') Level
Legendre Coefficients

44-Ru-104

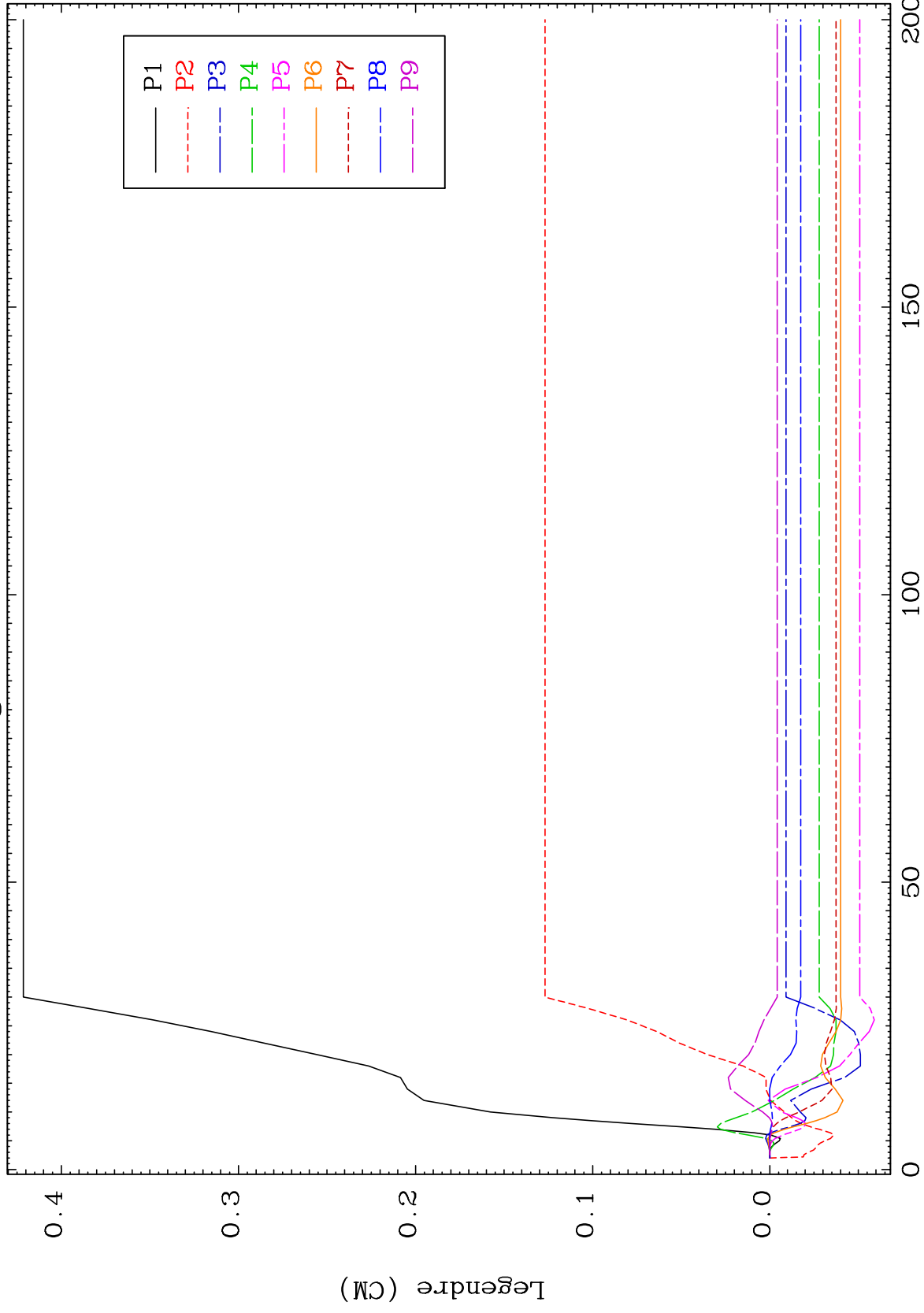




MAT 4449

MT= 62 (n,n') Level
Legendre Coefficients

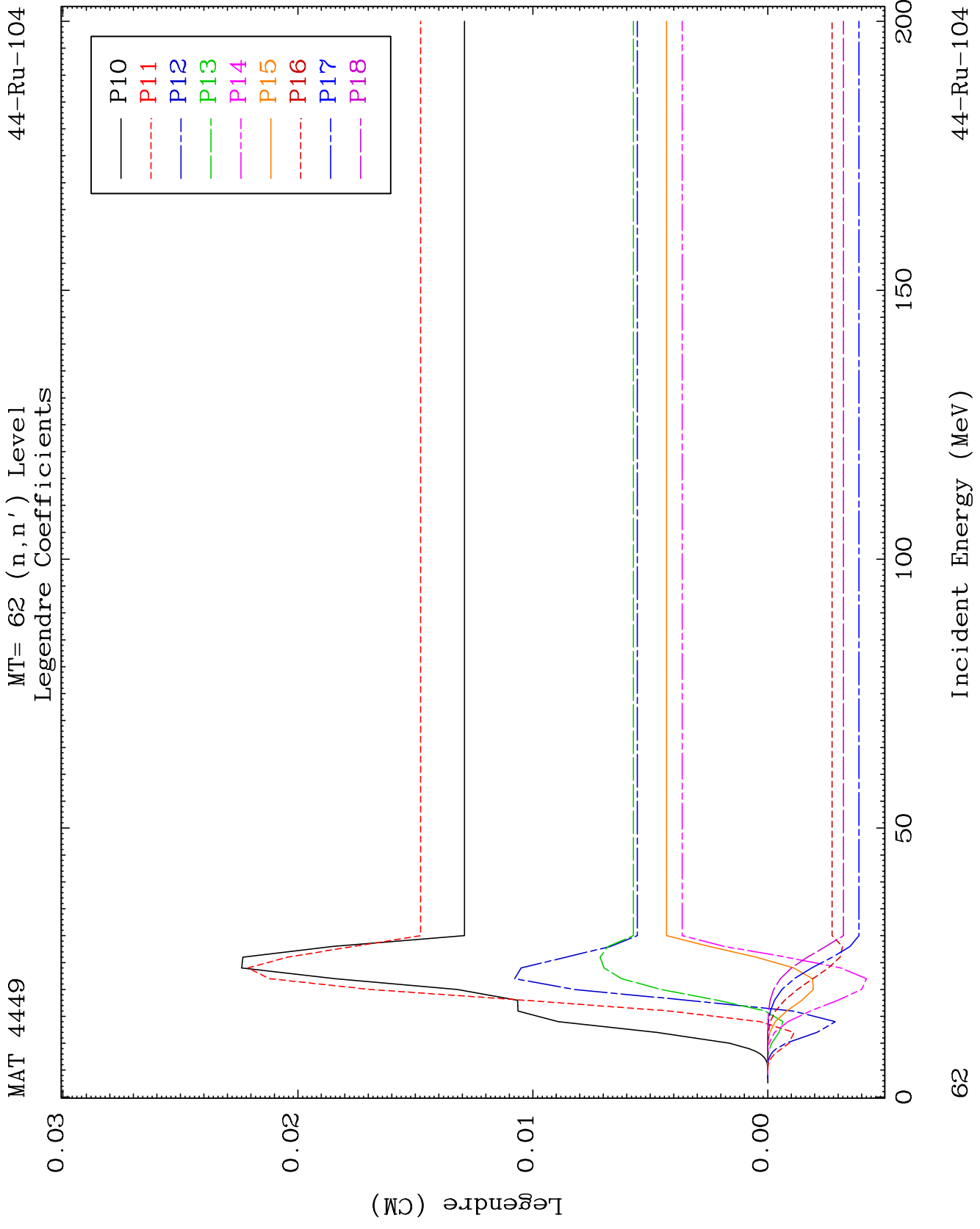
44-Ru-104



61

Incident Energy (MeV)

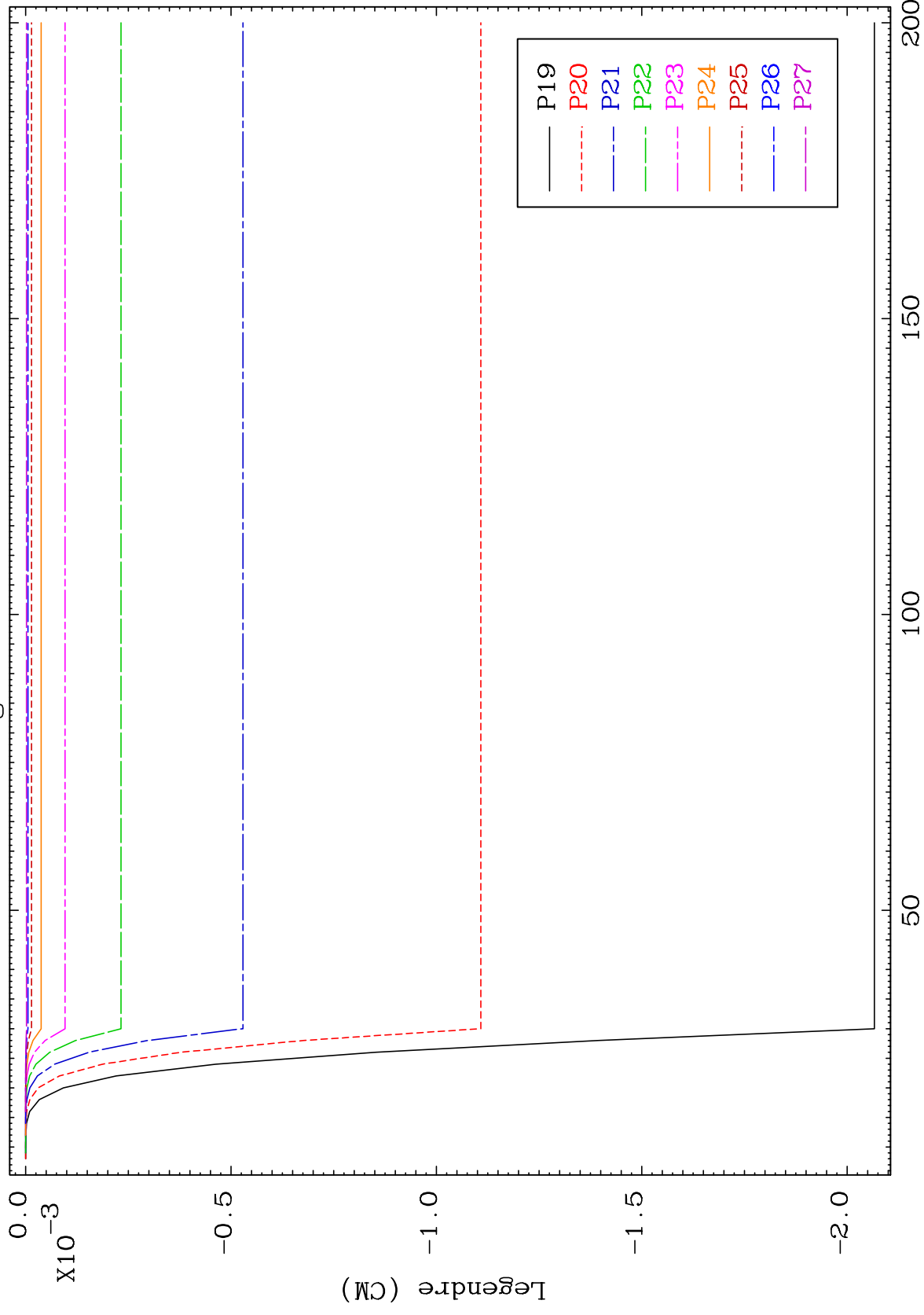
44-Ru-104



MAT 4449

MT= 62 (n,n') Level
Legendre Coefficients

44-Ru-104



63

Incident Energy (MeV)

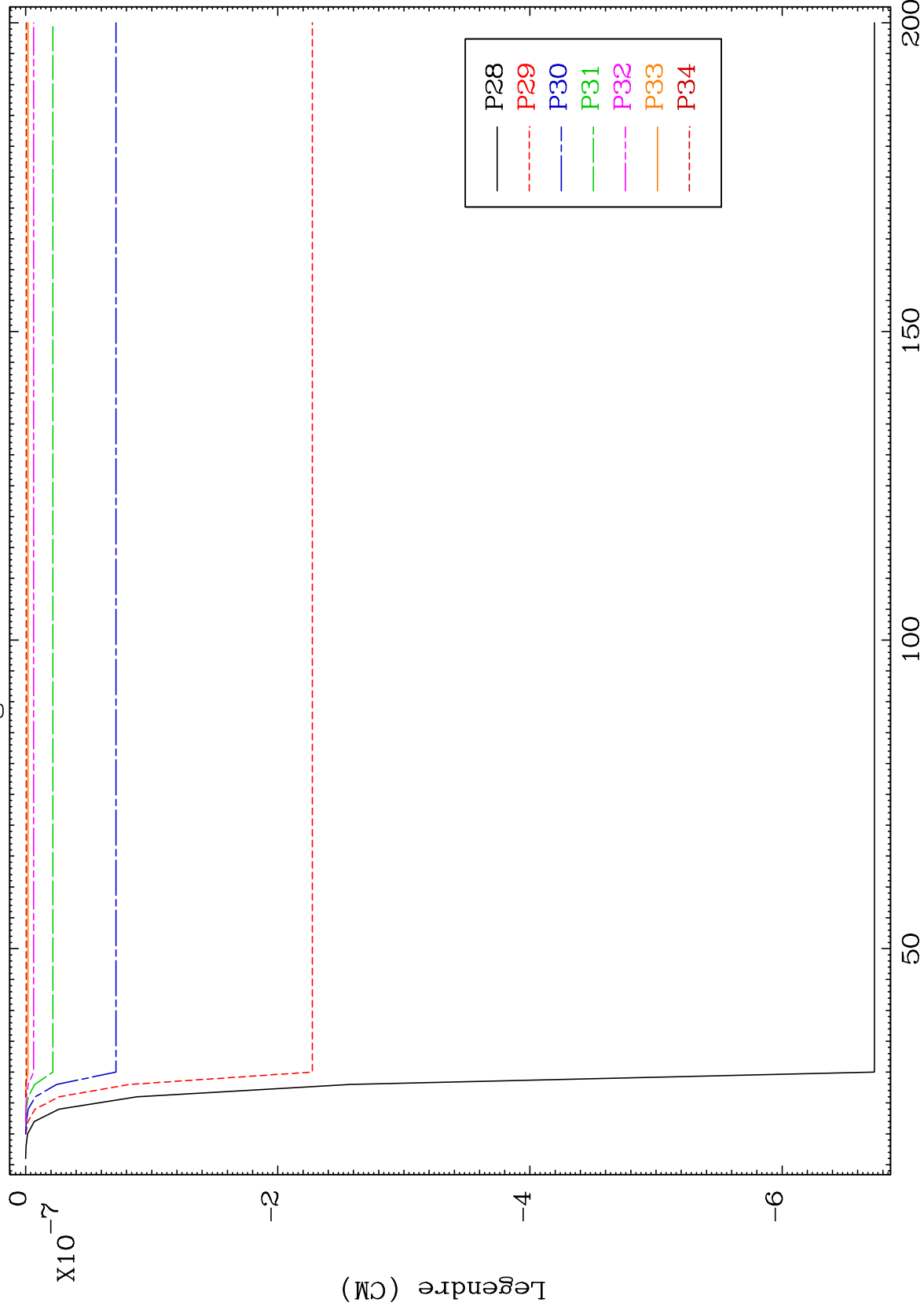
44-Ru-104

MAT 4449

MT= 62 (n,n') Level

44-Ru-104

Legendre Coefficients



64

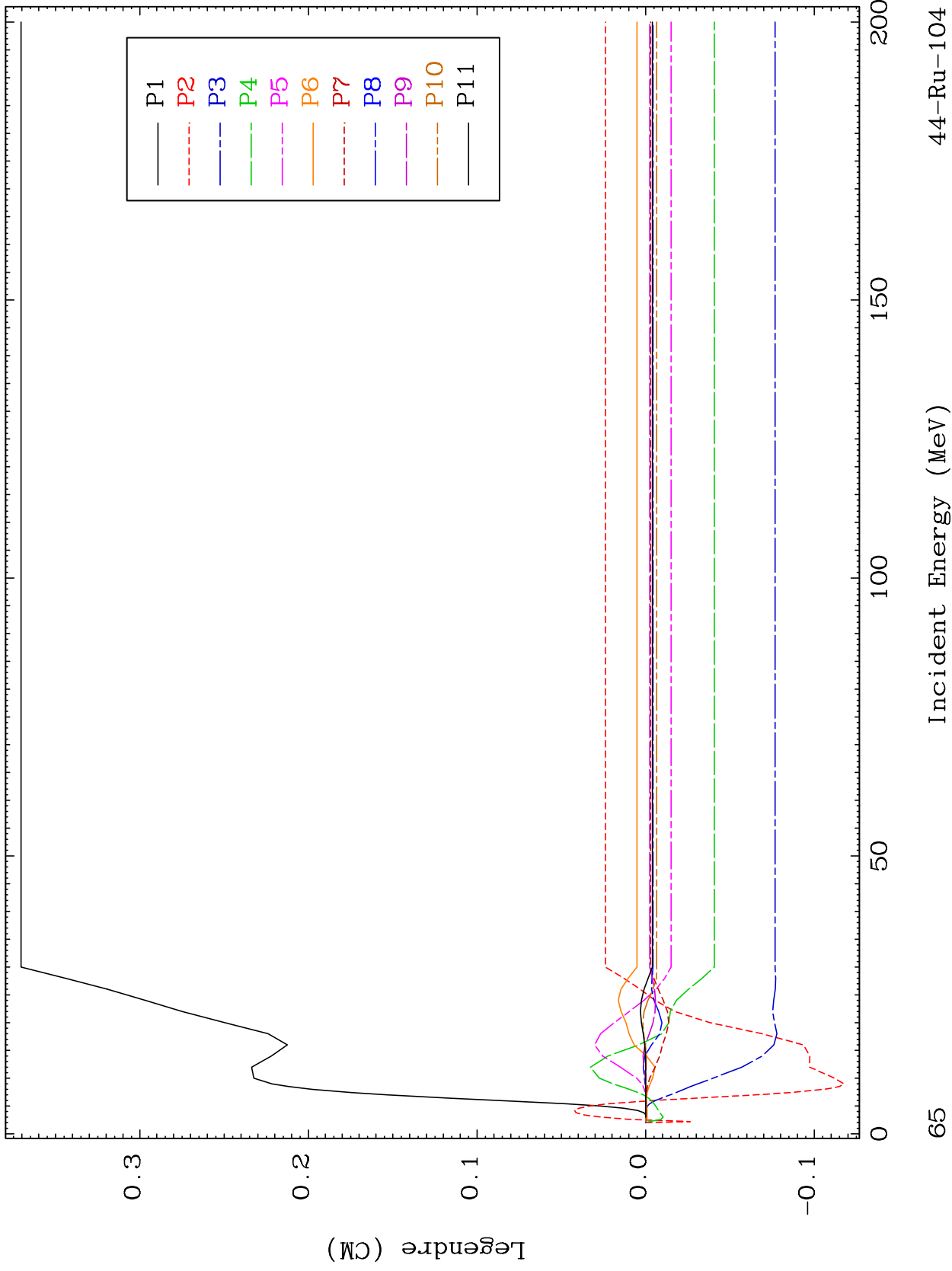
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 63 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

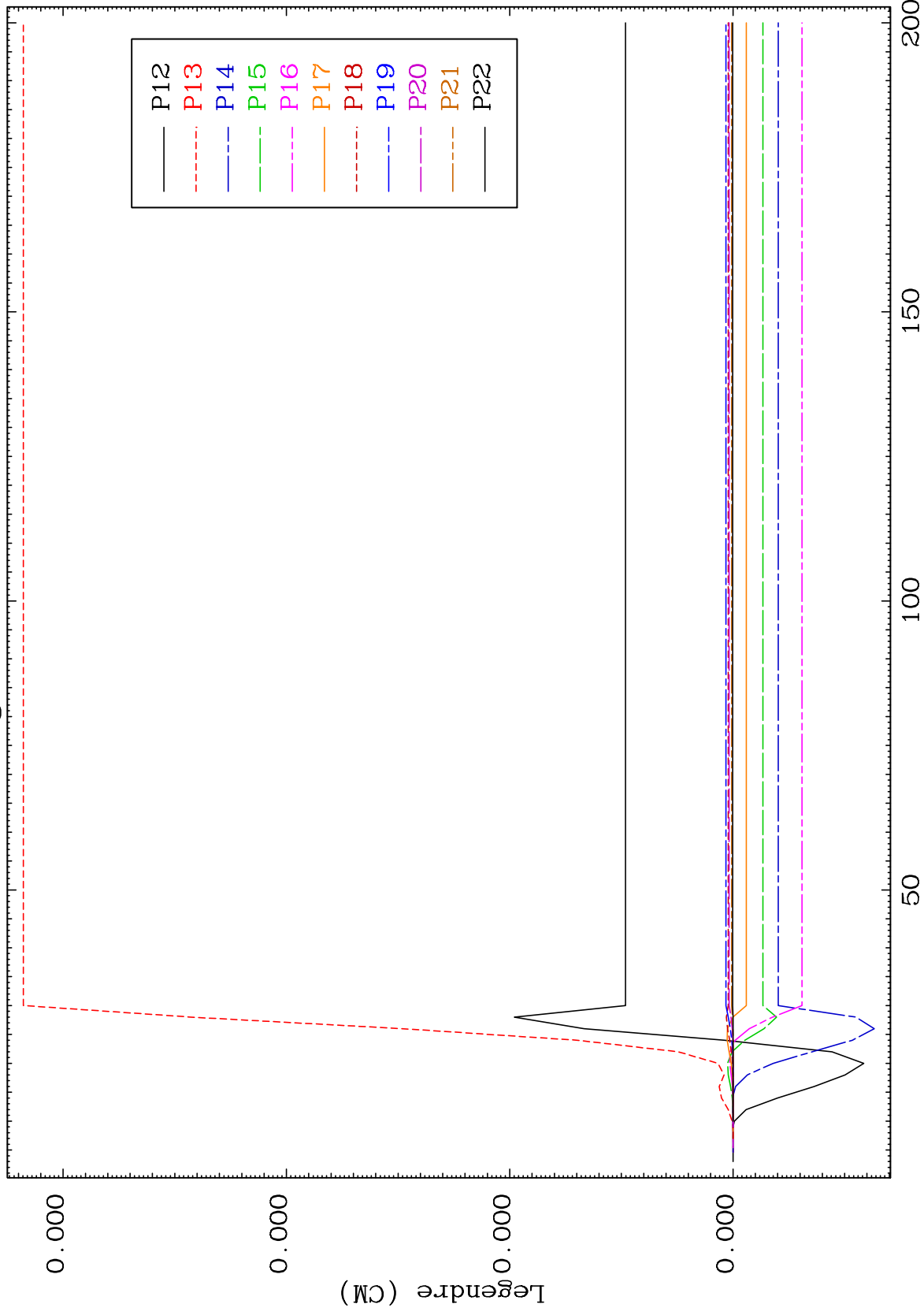
Incident Energy (MeV)

65

MAT 4449

MT= 63 (n,n') Level
Legendre Coefficients

44-Ru-104



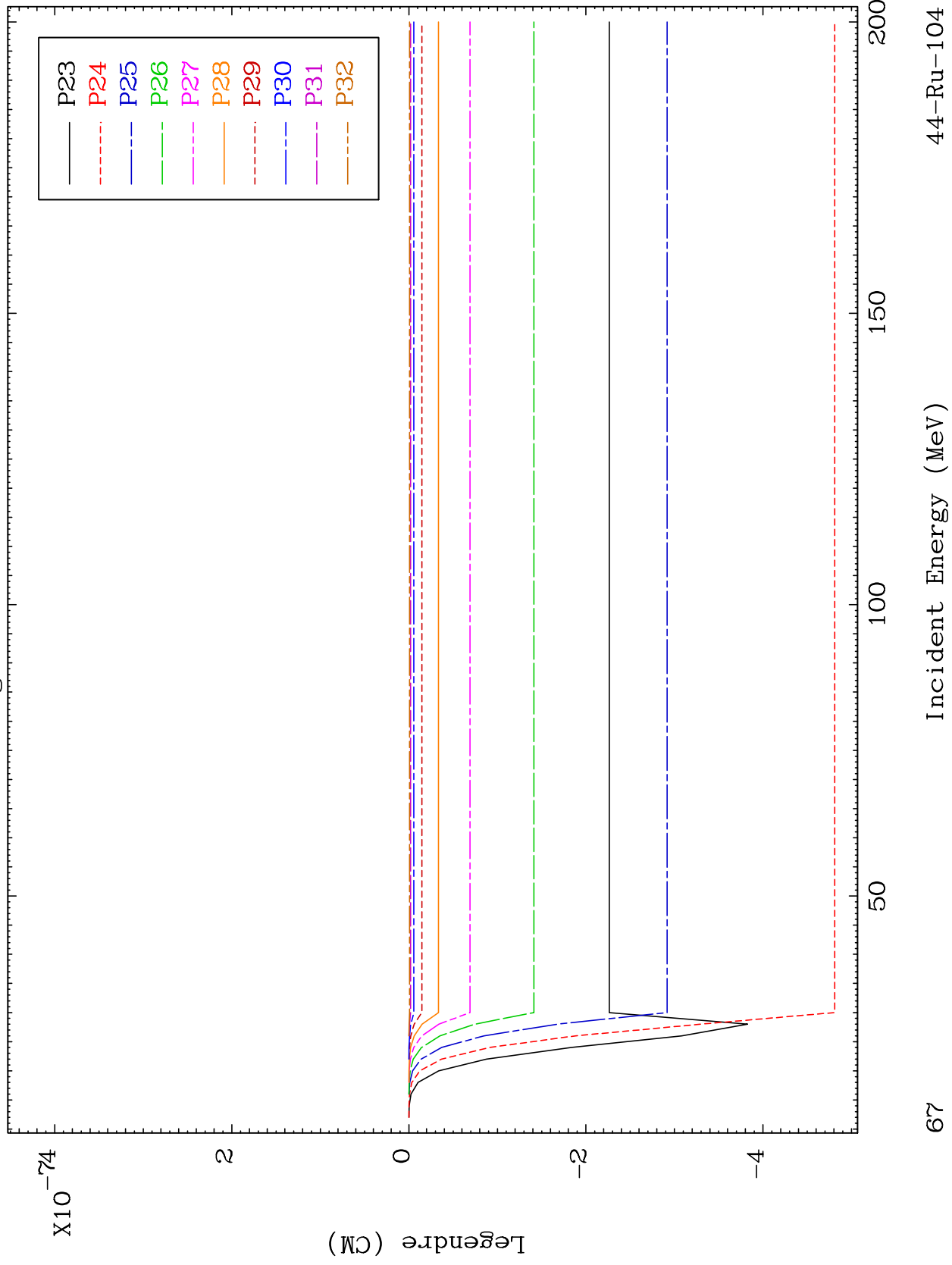
66

44-Ru-104

MAT 4449

MT= 63 (n,n') Level
Legendre Coefficients

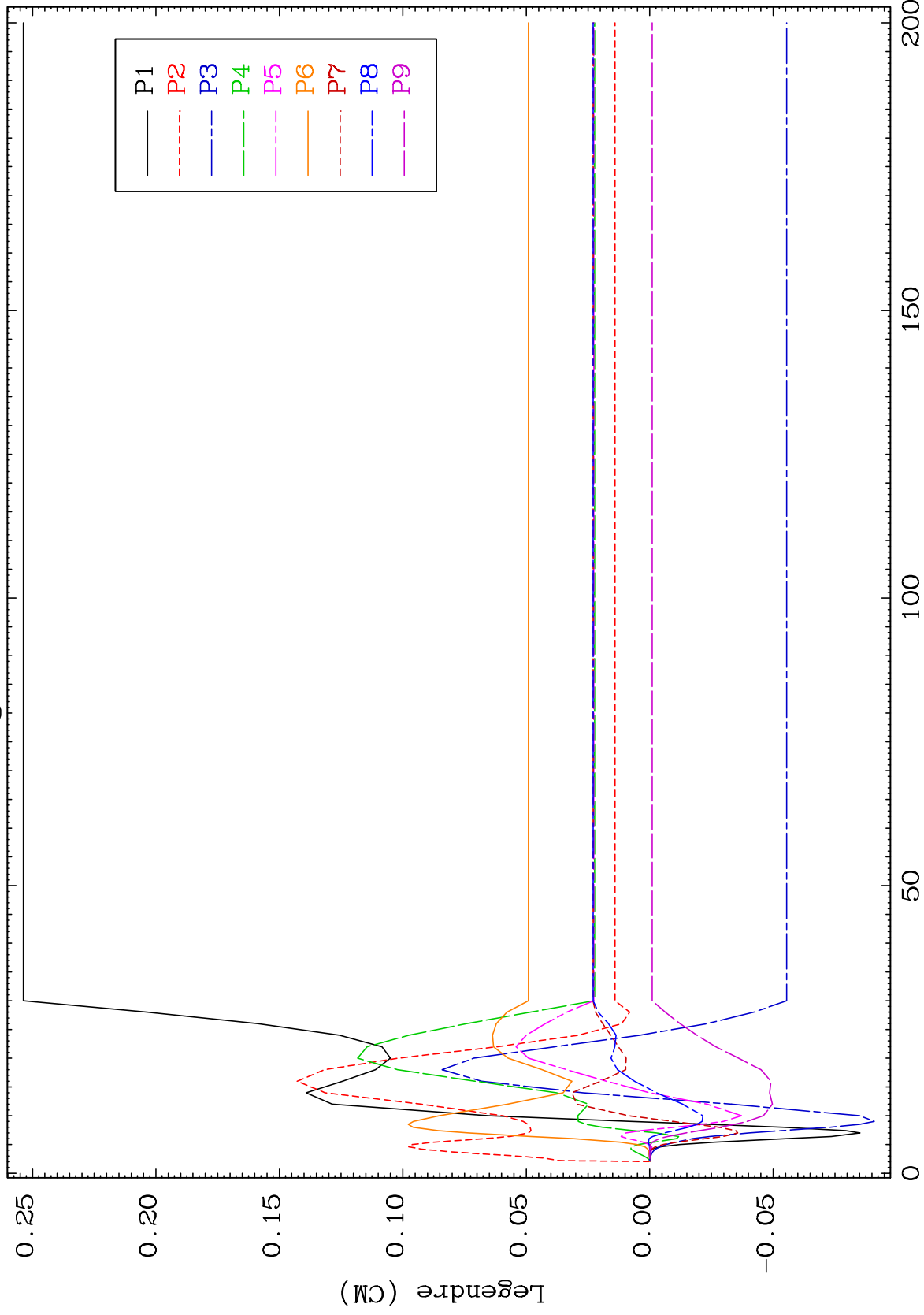
44-Ru-104



MAT 4449

MT= 64 (n,n') Level
Legendre Coefficients

44-Ru-104



68

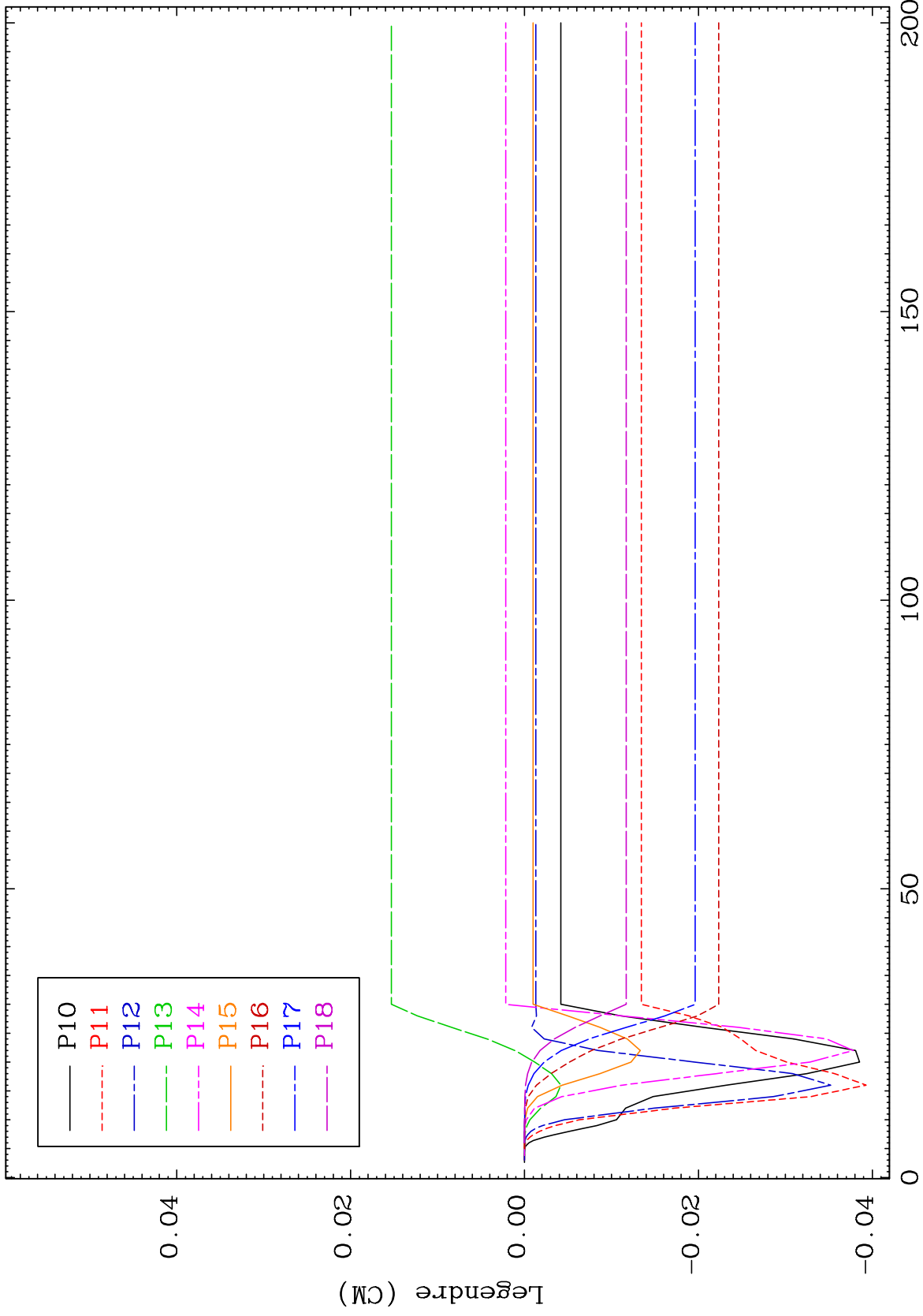
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 64 (n,n') Level
Legendre Coefficients

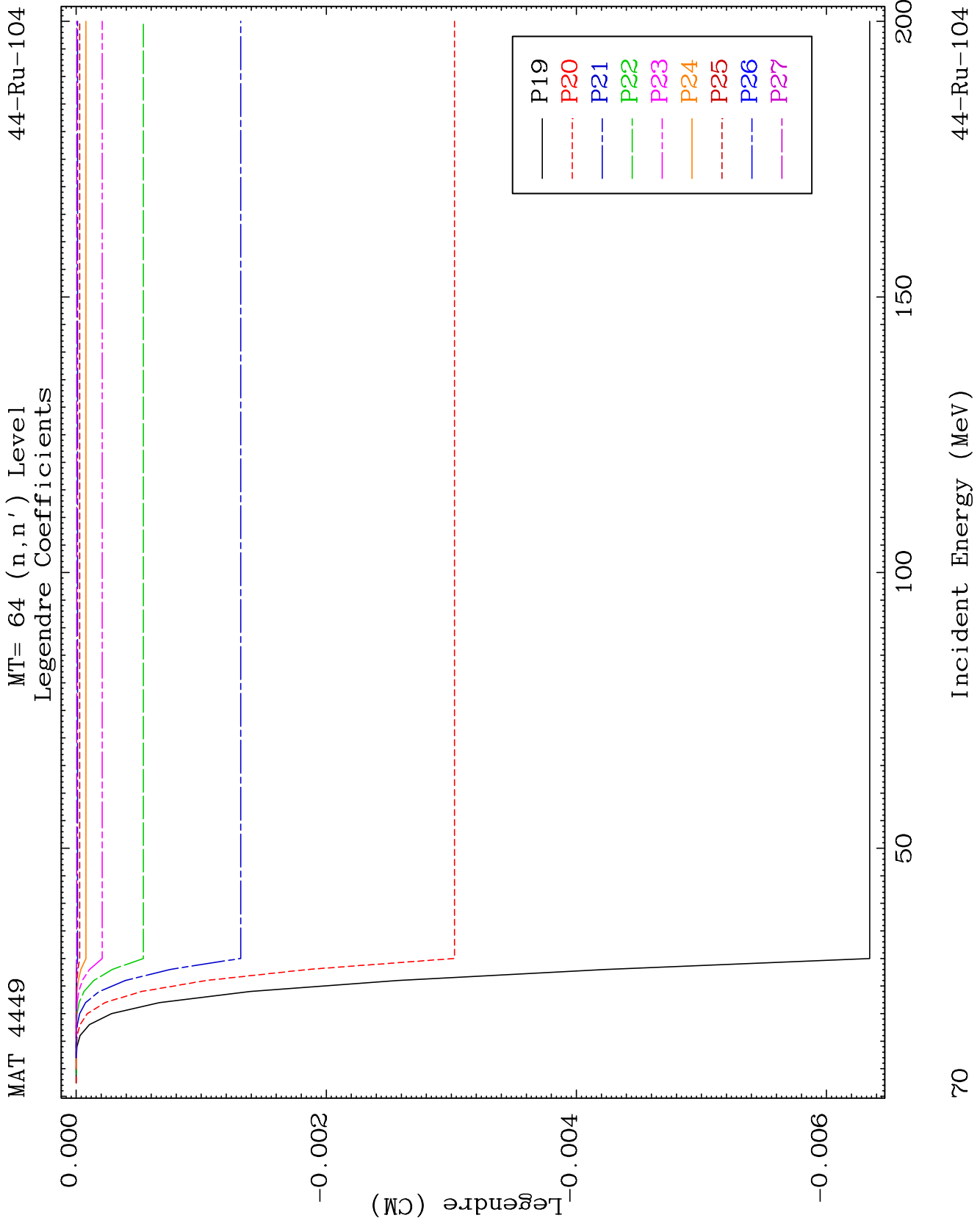
44-Ru-104

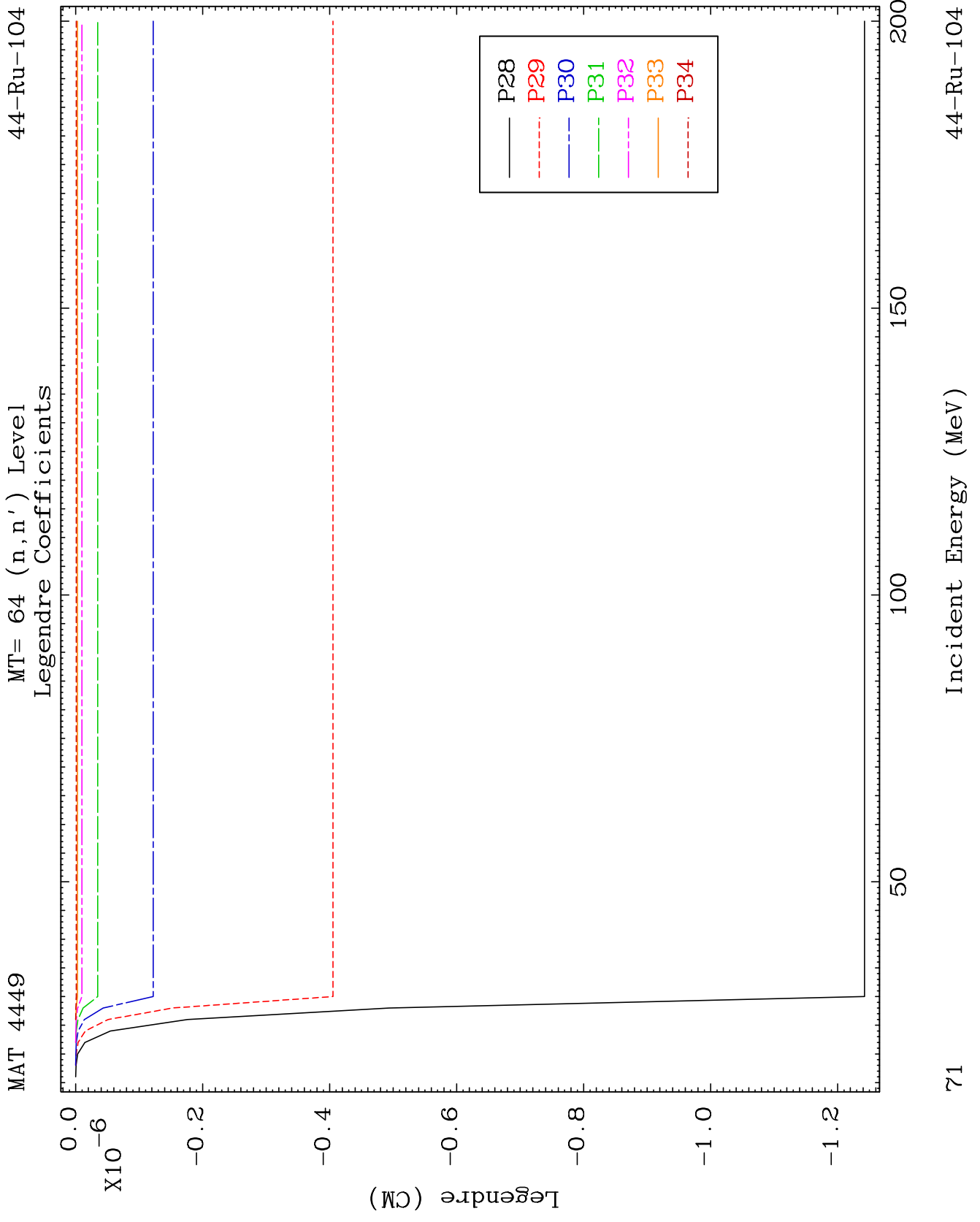


69

Incident Energy (MeV)

44-Ru-104

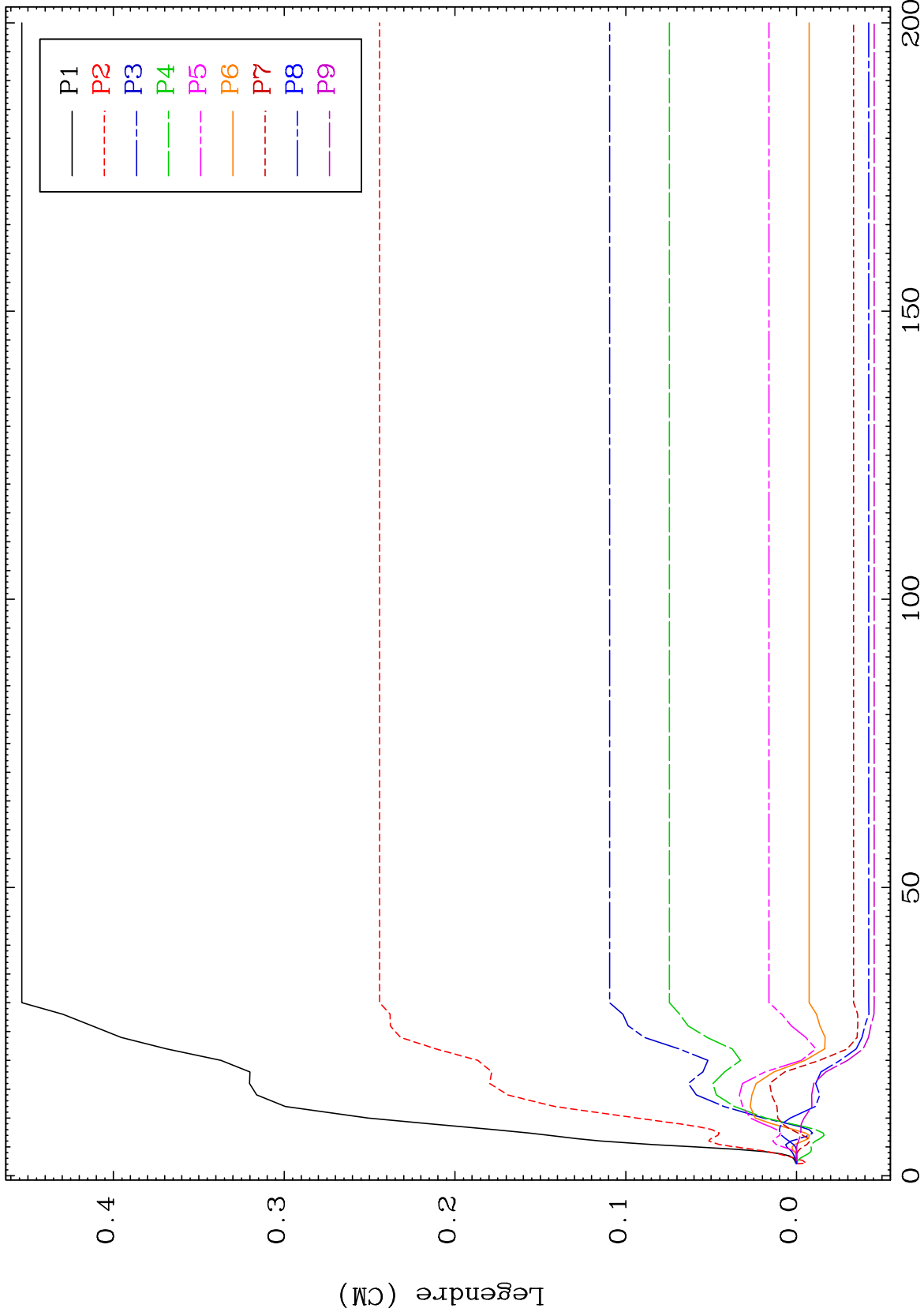




MAT 4449

MT= 65 (n,n') Level
Legendre Coefficients

44-Ru-104



72

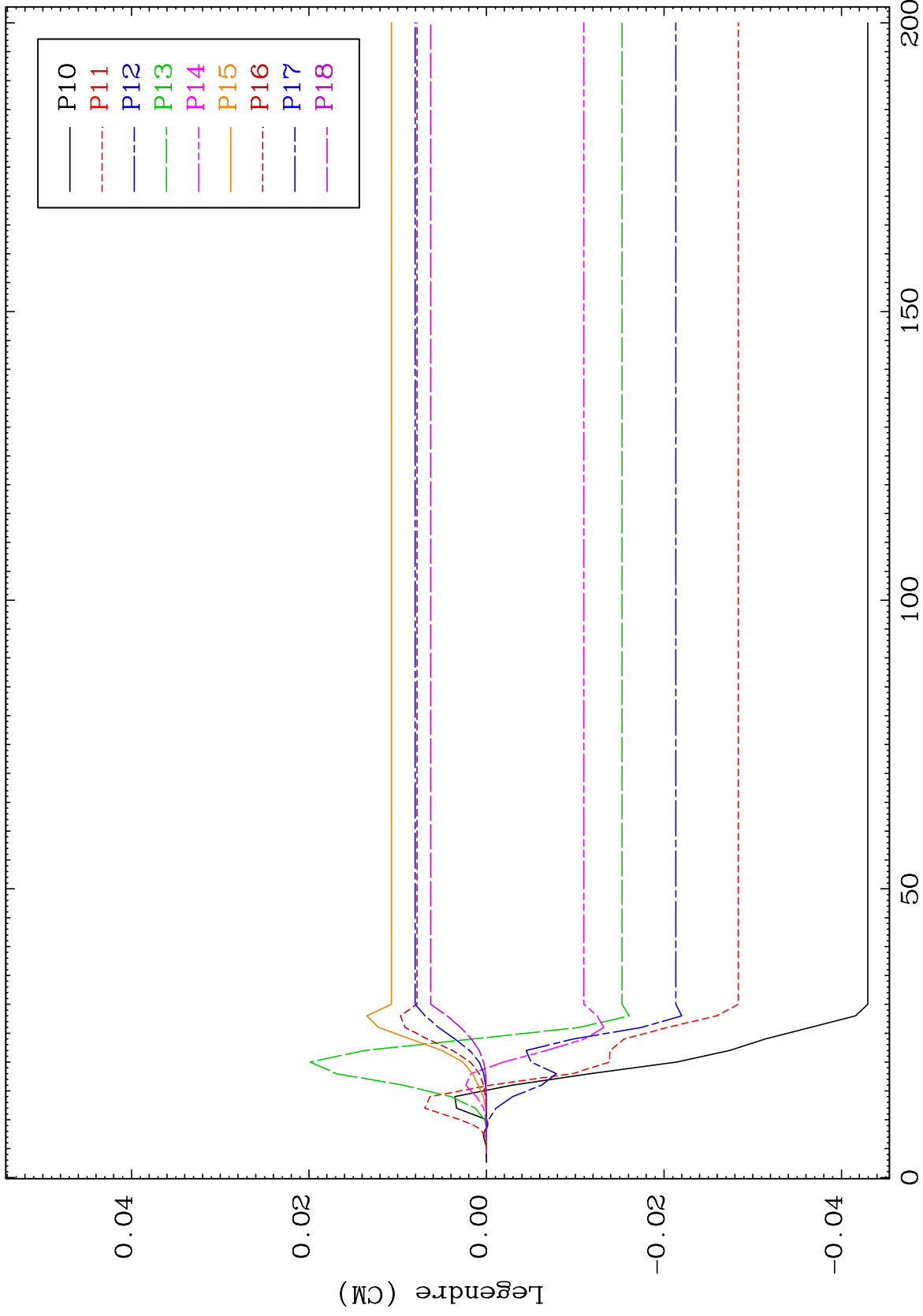
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 65 (n,n') Level
Legendre Coefficients

44-Ru-104



73

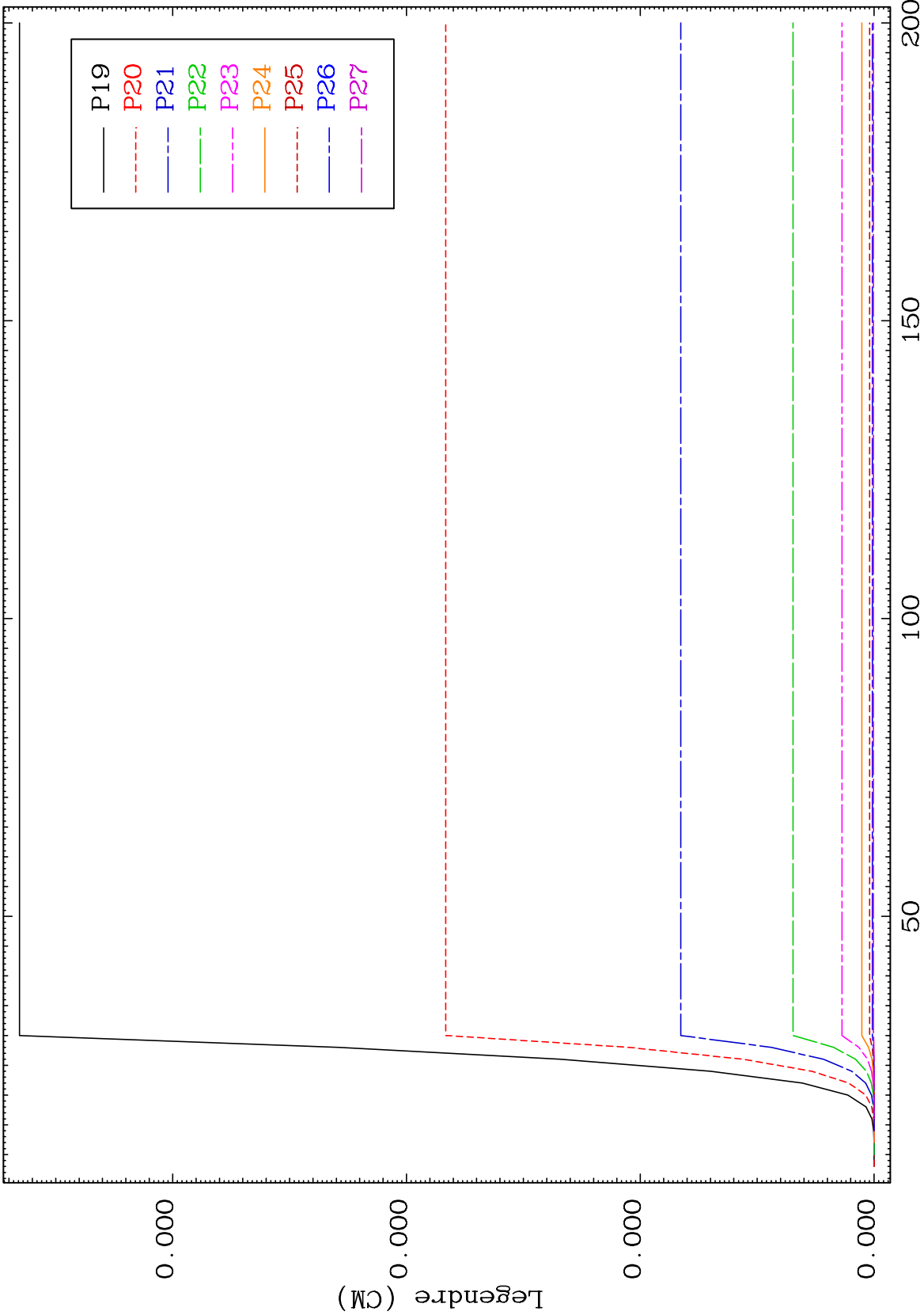
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 65 (n,n') Level
Legendre Coefficients

44-Ru-104



74

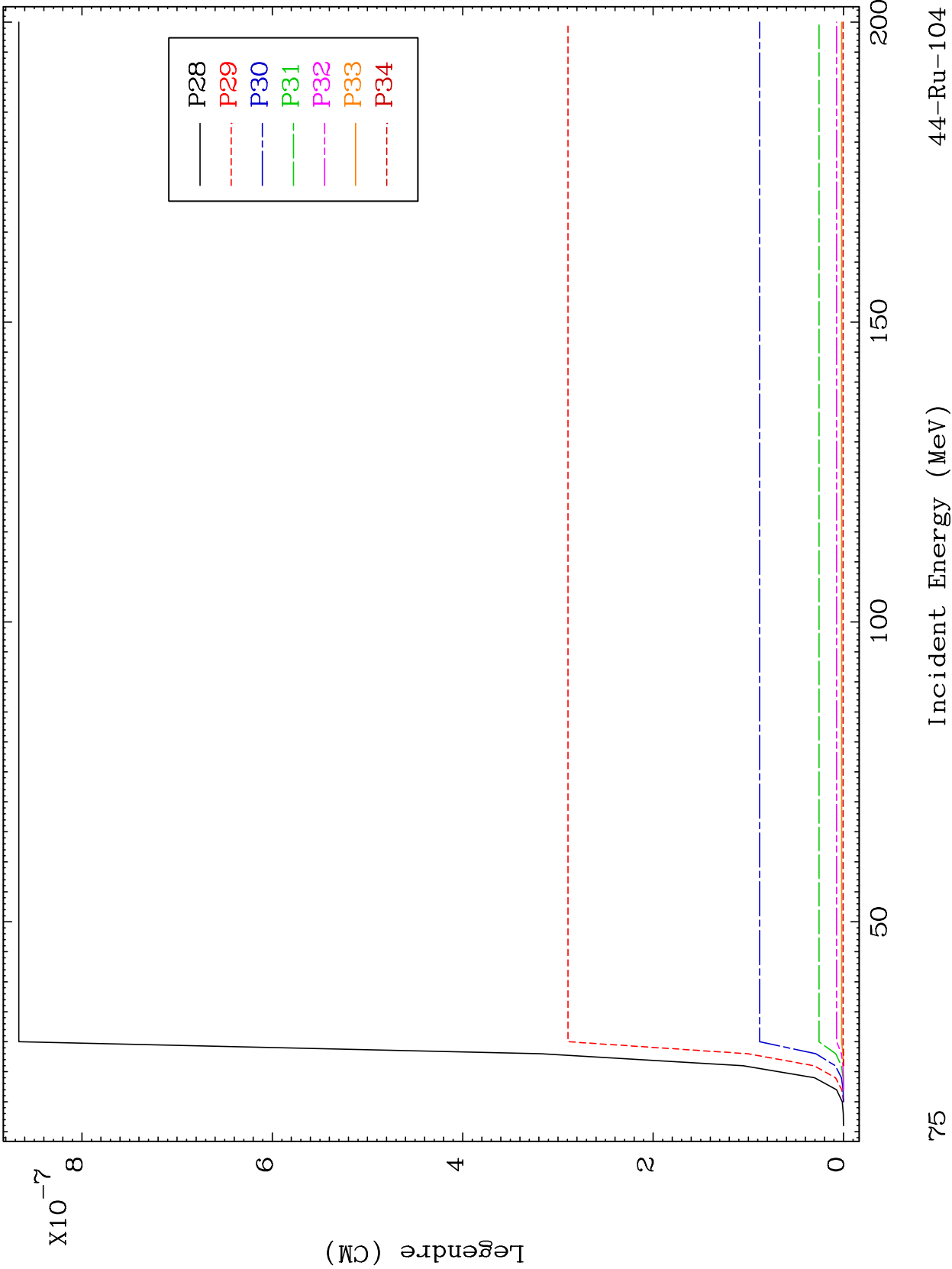
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 65 (n,n') Level
Legendre Coefficients

44-Ru-104



75

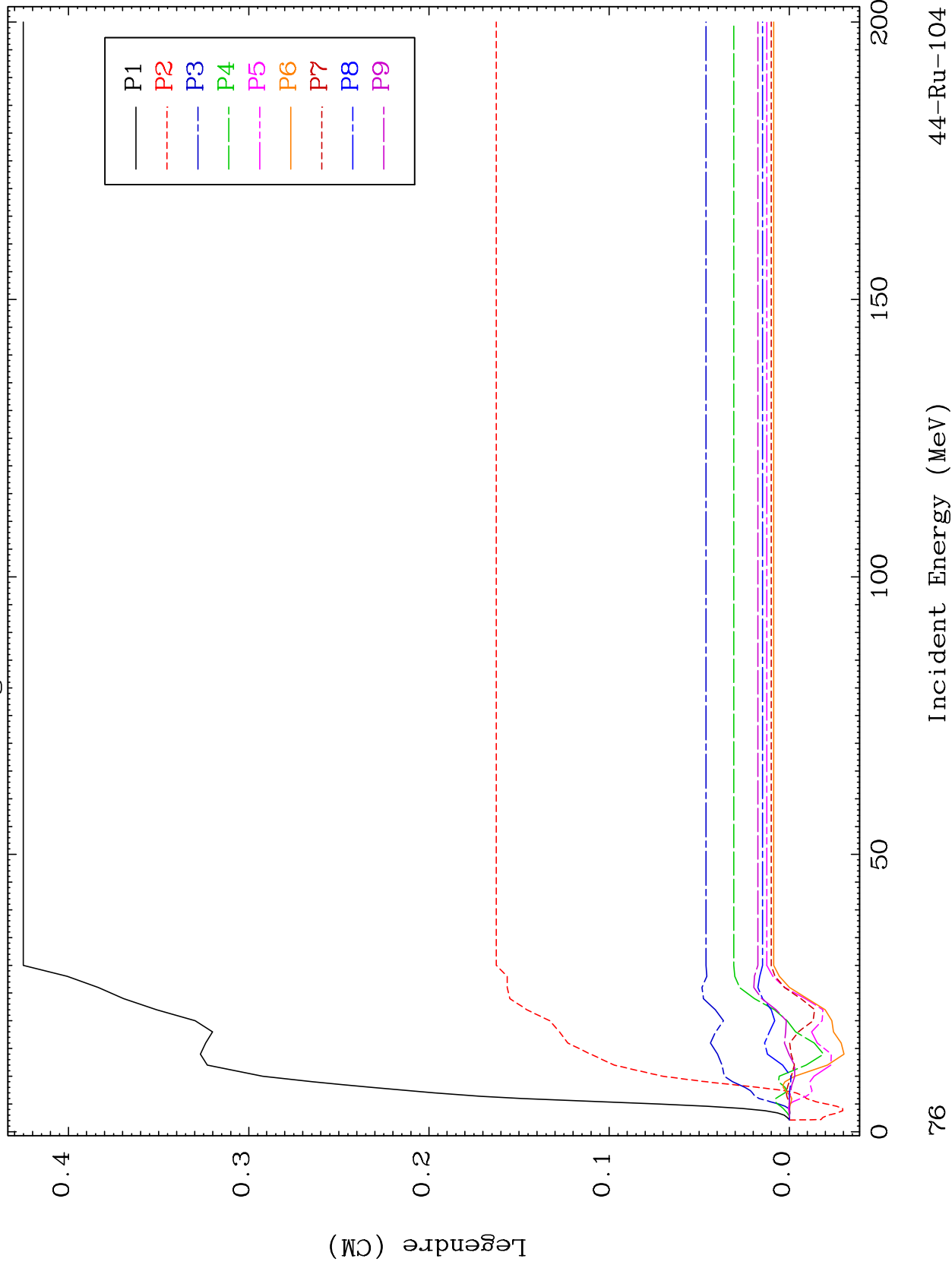
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 66 (n,n') Level
Legendre Coefficients

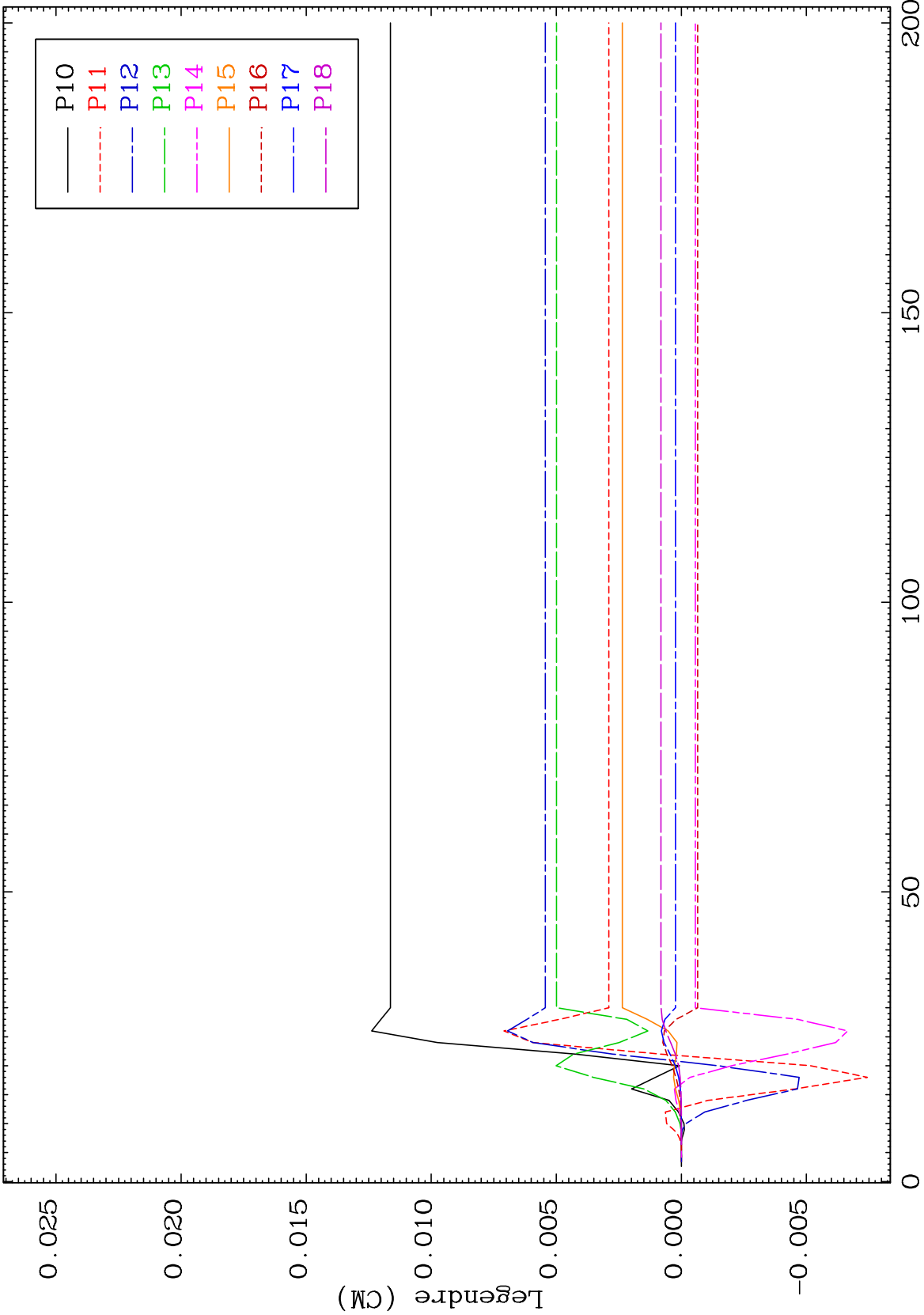
44-Ru-104



MAT 4449

MT= 66 (n,n') Level
Legendre Coefficients

44-Ru-104



77

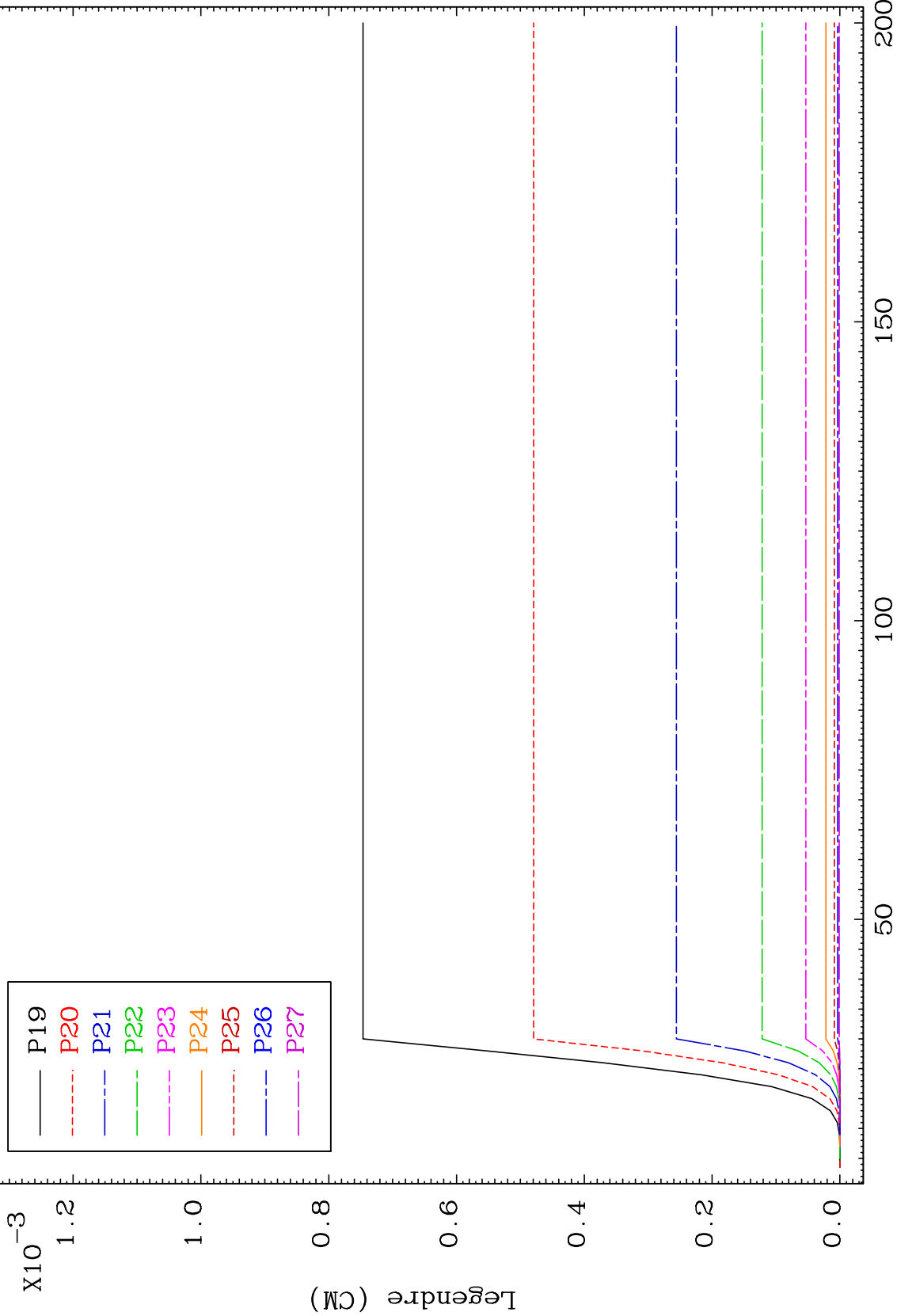
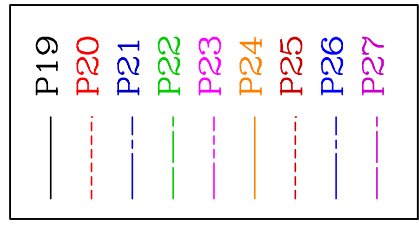
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 66 (n,n') Level
Legendre Coefficients

44-Ru-104



78

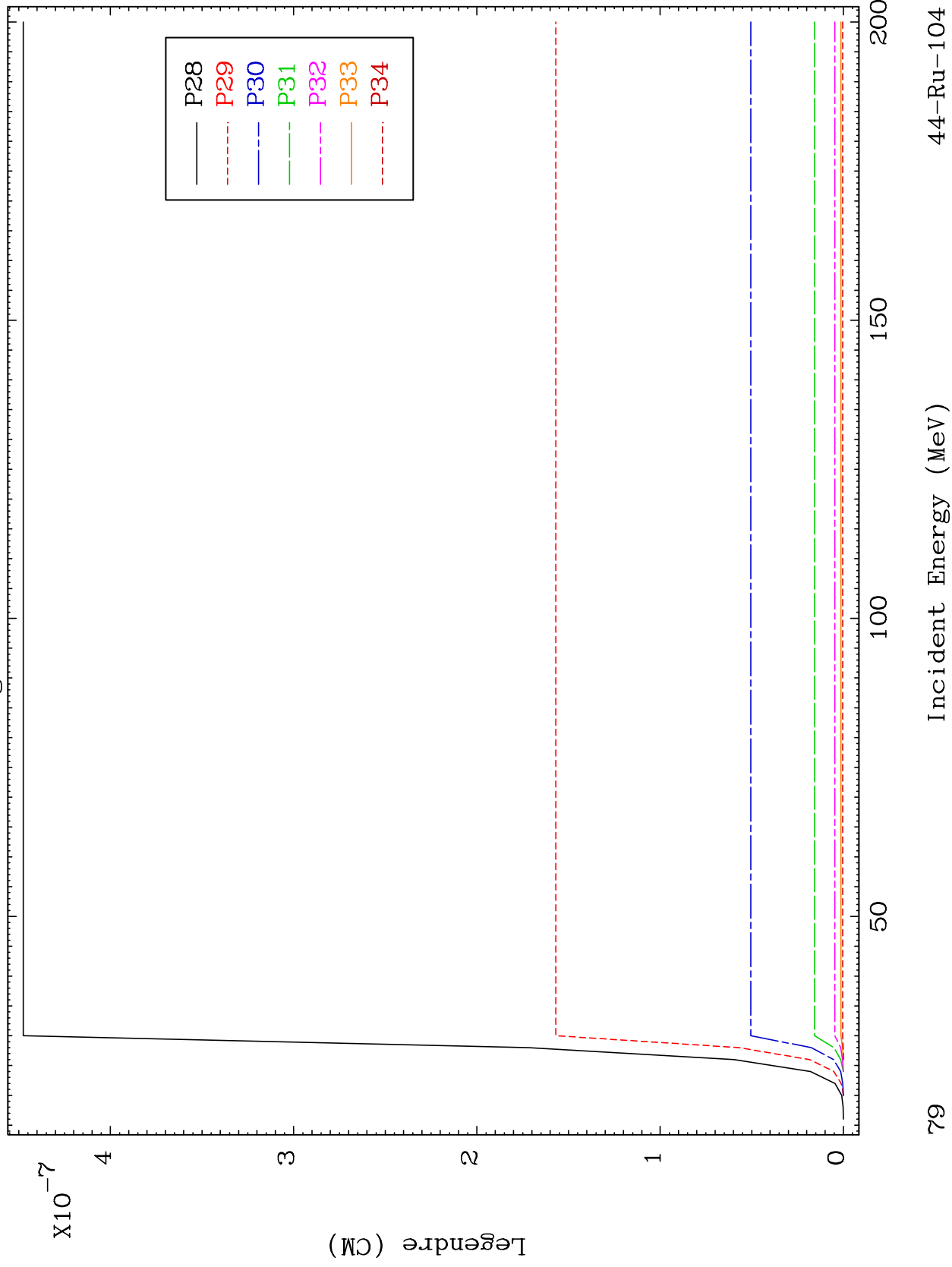
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 66 (n,n') Level
Legendre Coefficients

44-Ru-104

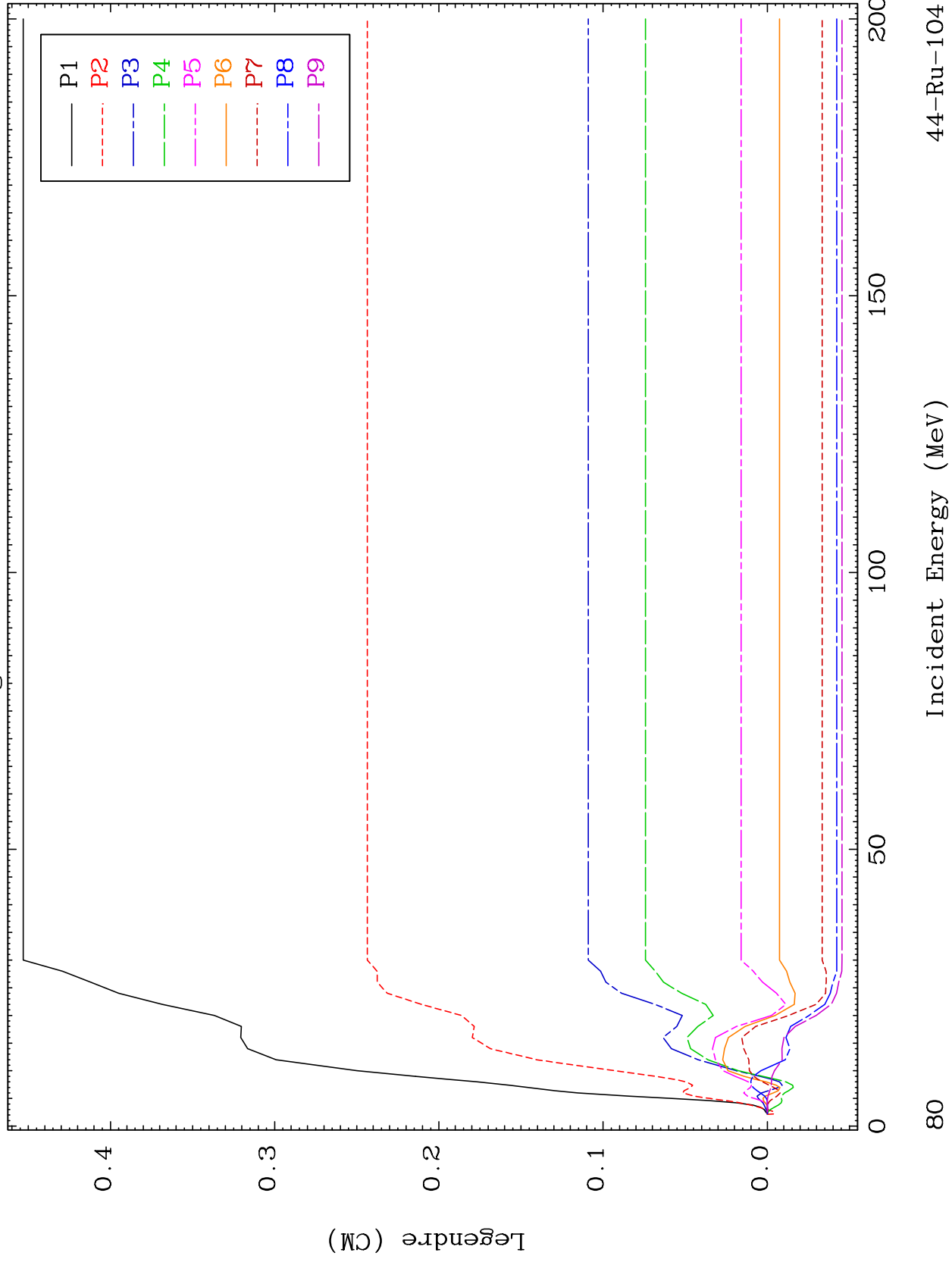


79

MAT 4449

MT= 67 (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

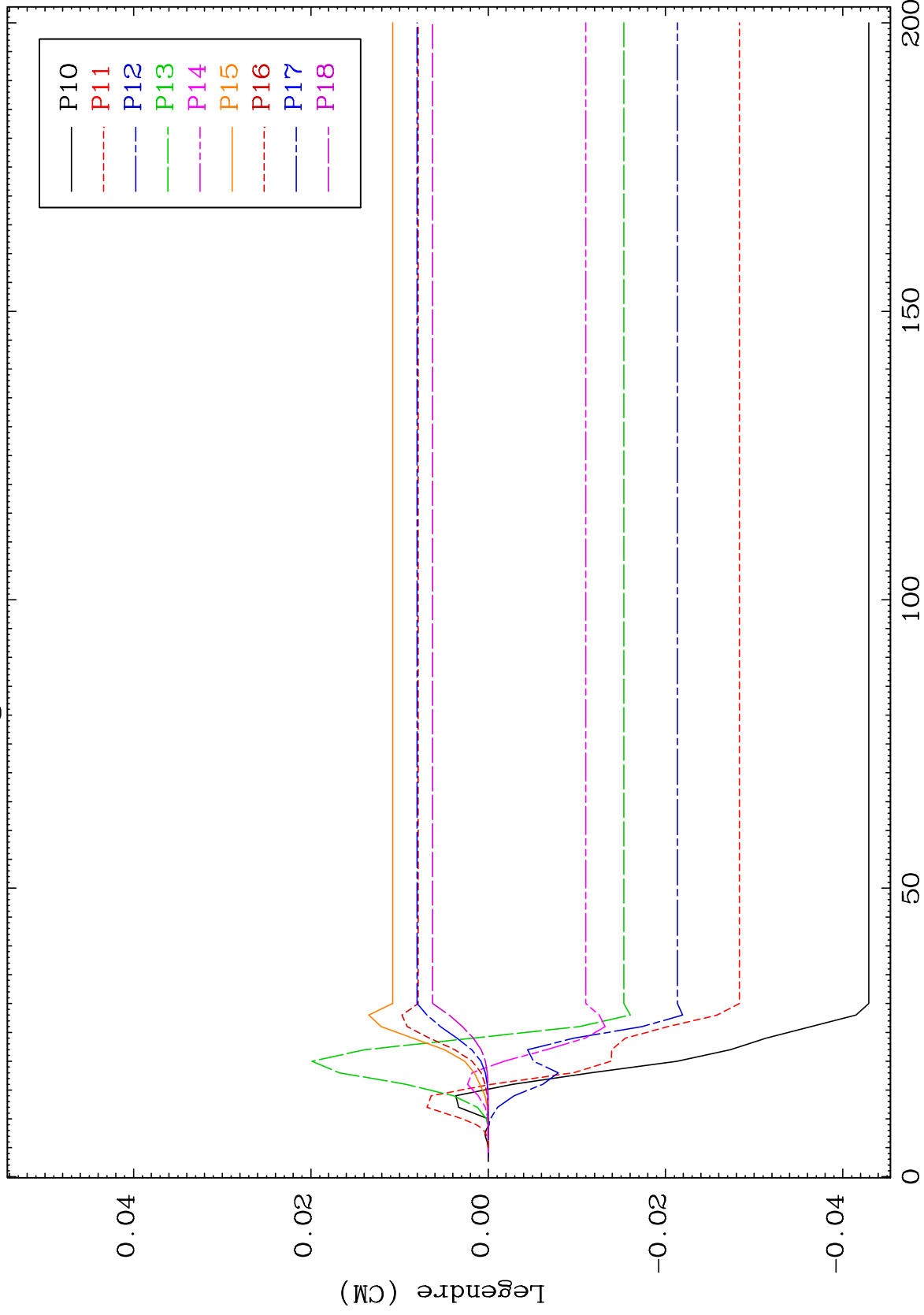
Incident Energy (MeV)

80

MAT 4449

MT= 67 (n,n') Level
Legendre Coefficients

44-Ru-104



81

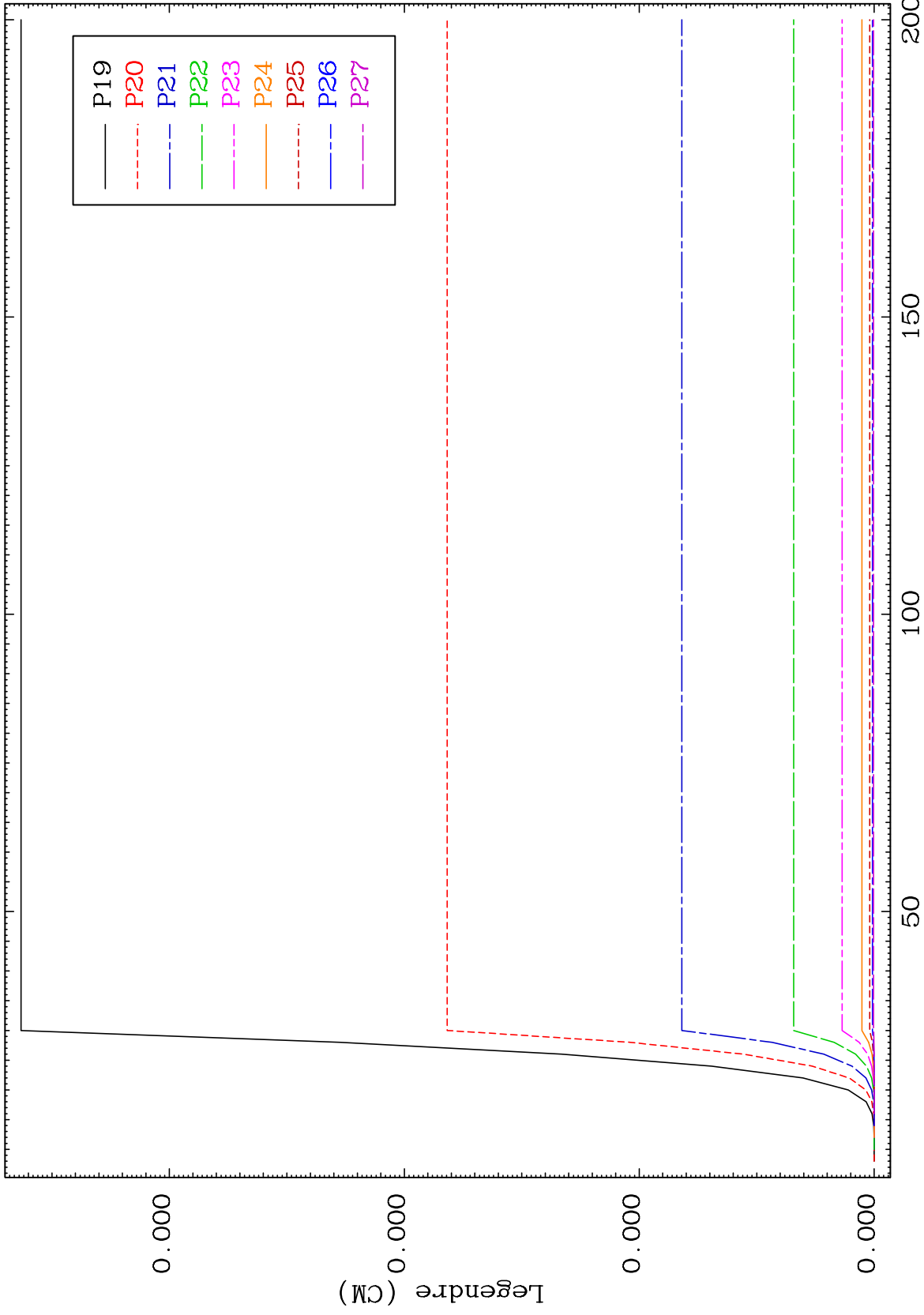
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 67 (n,n') Level
Legendre Coefficients

44-Ru-104



82

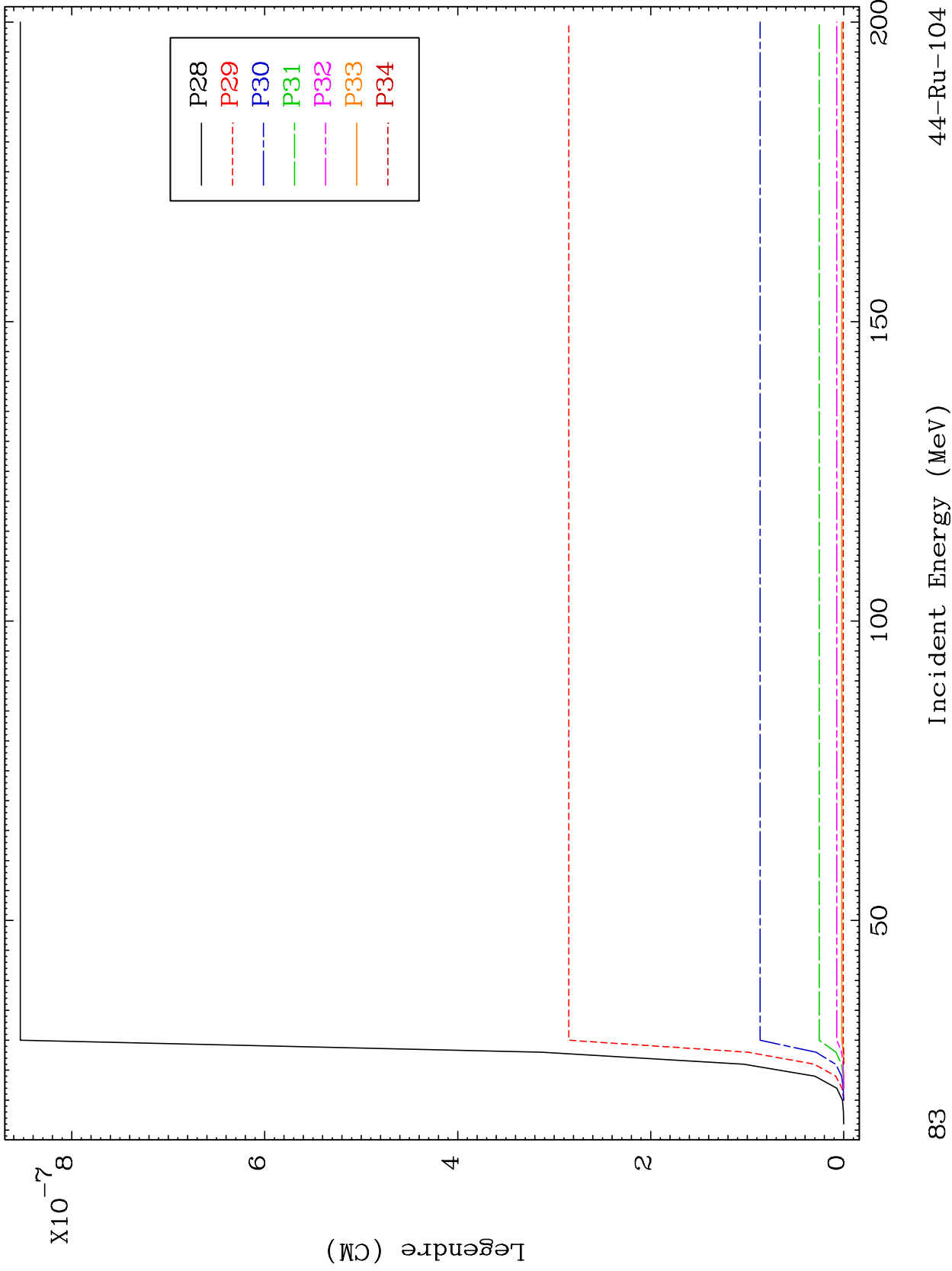
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 67 (n,n') Level
Legendre Coefficients

44-Ru-104



83

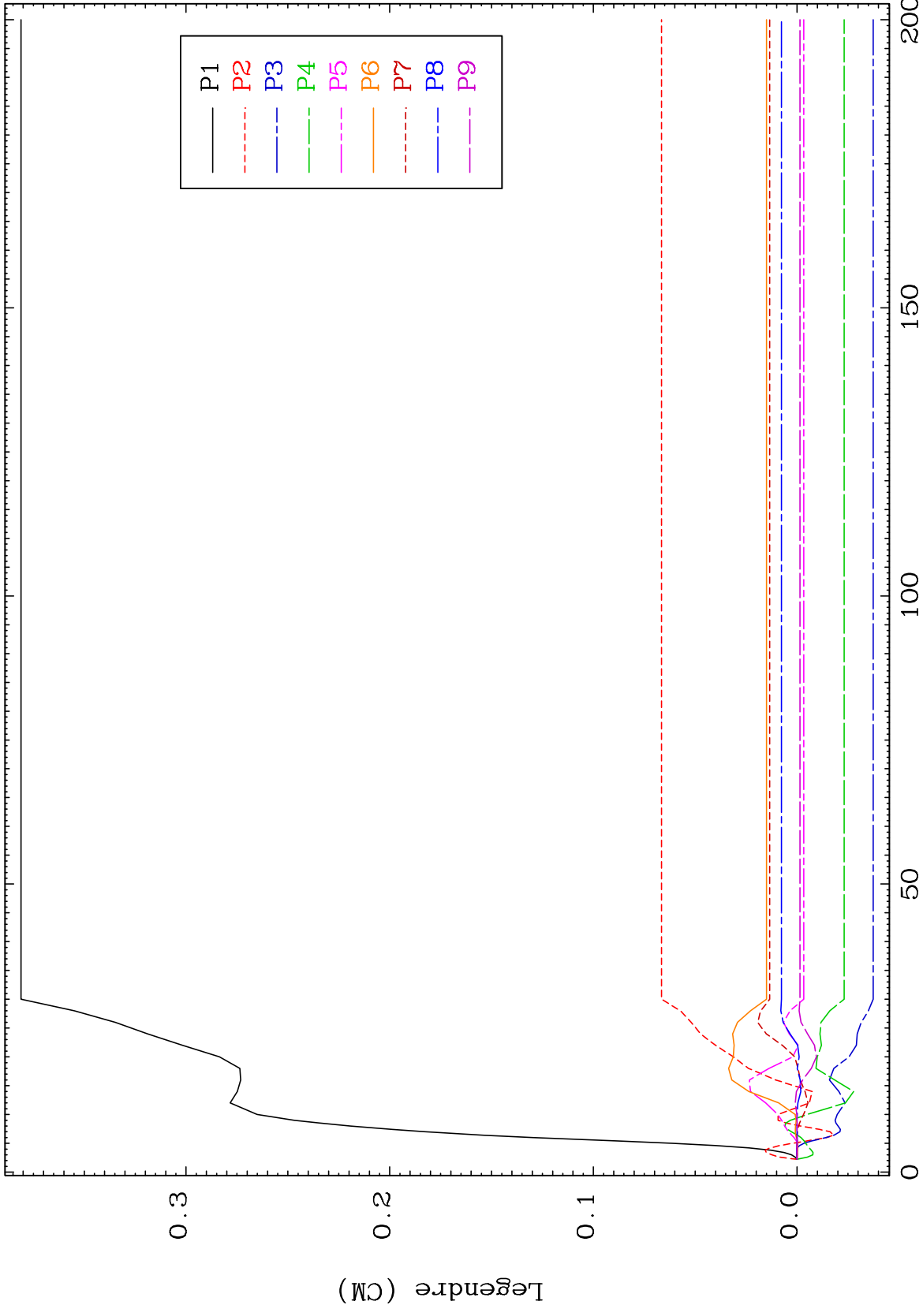
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 68 (n,n') Level
Legendre Coefficients

44-Ru-104



84

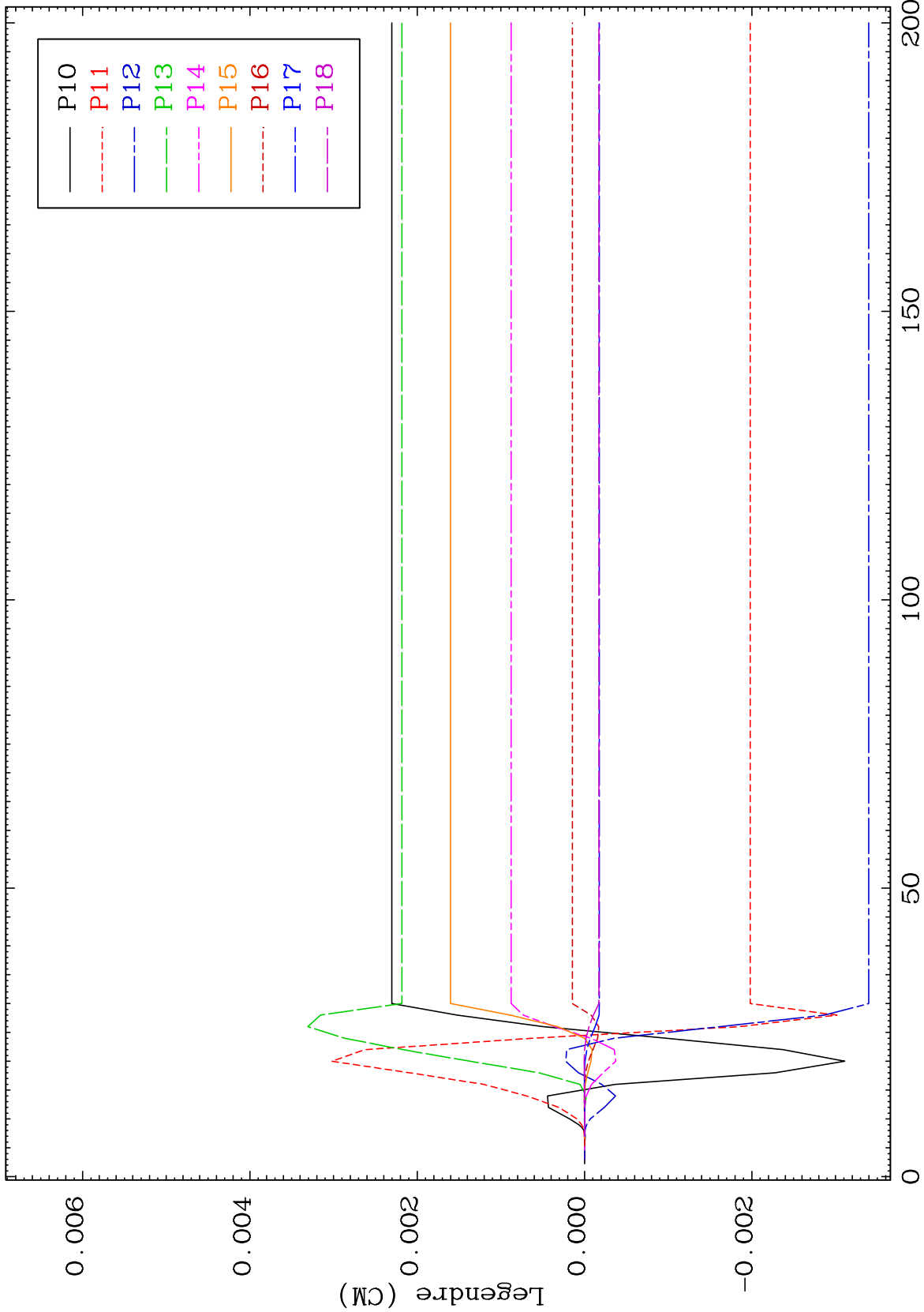
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 68 (n,n') Level
Legendre Coefficients

44-Ru-104



85

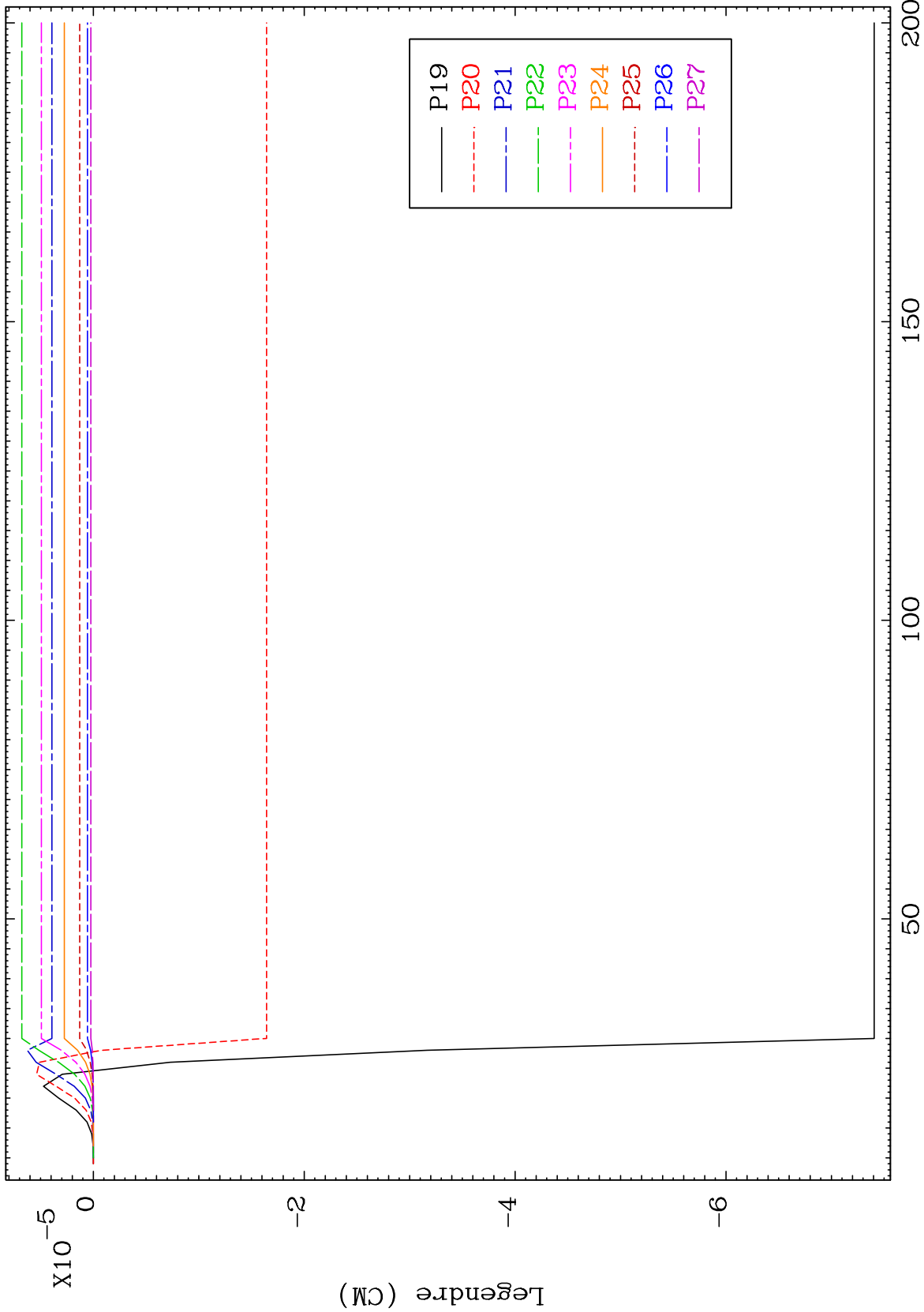
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 68 (n,n') Level
Legendre Coefficients

44-Ru-104



86

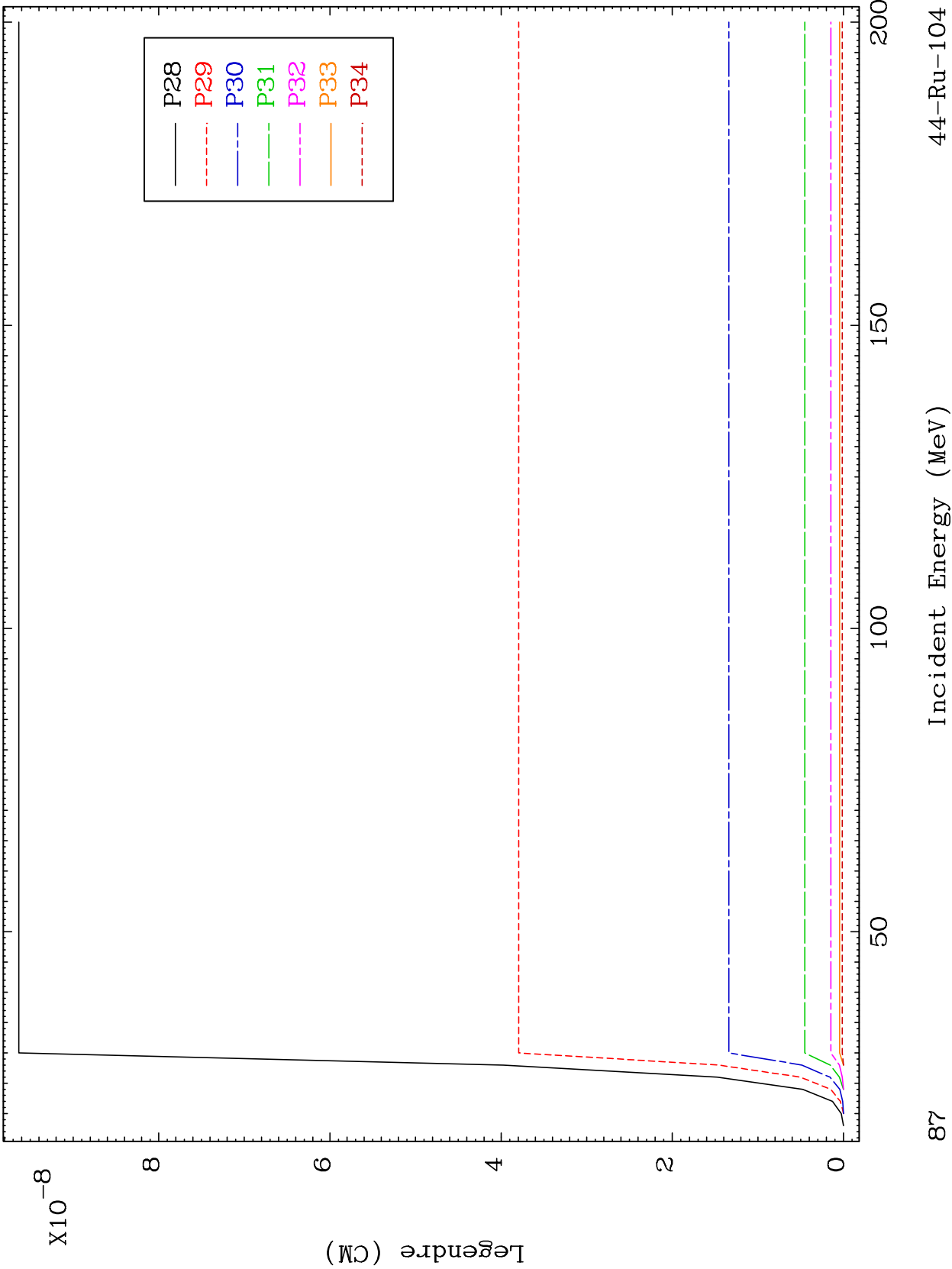
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 68 (n,n') Level
Legendre Coefficients

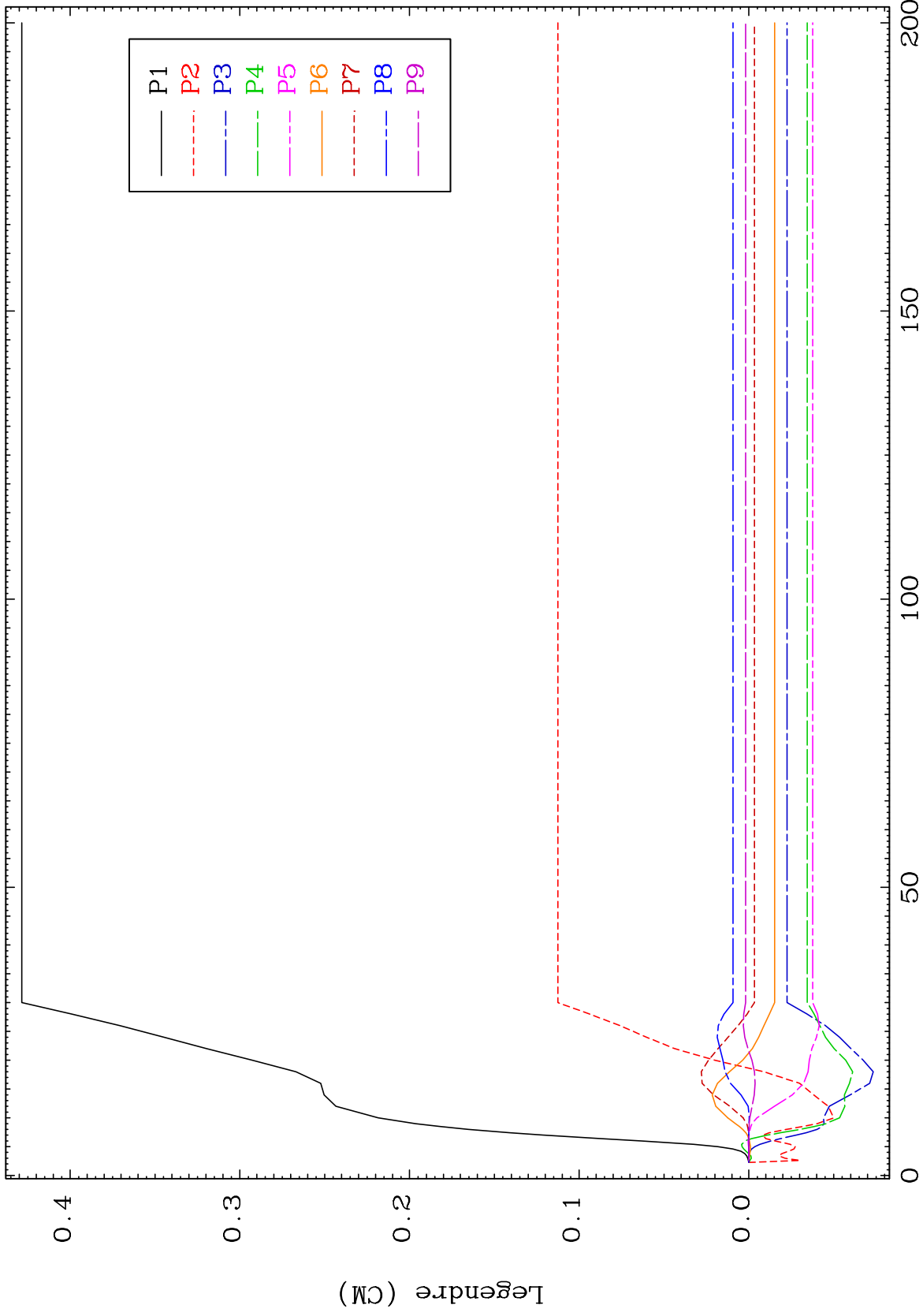
44-Ru-104



MAT 4449

MT= 69 (n,n') Level
Legendre Coefficients

44-Ru-104



88

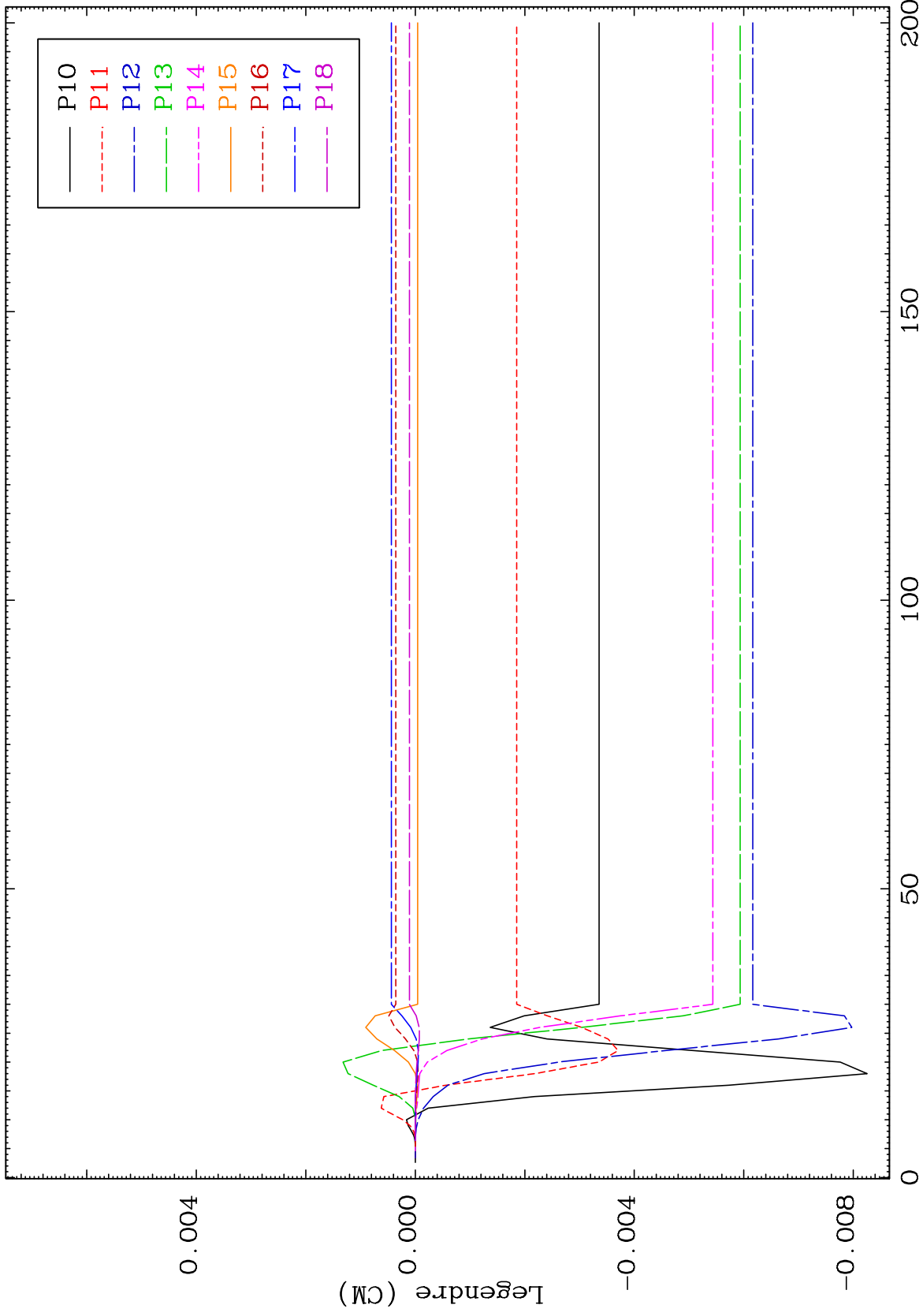
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 69 (n,n') Level
Legendre Coefficients

44-Ru-104



89

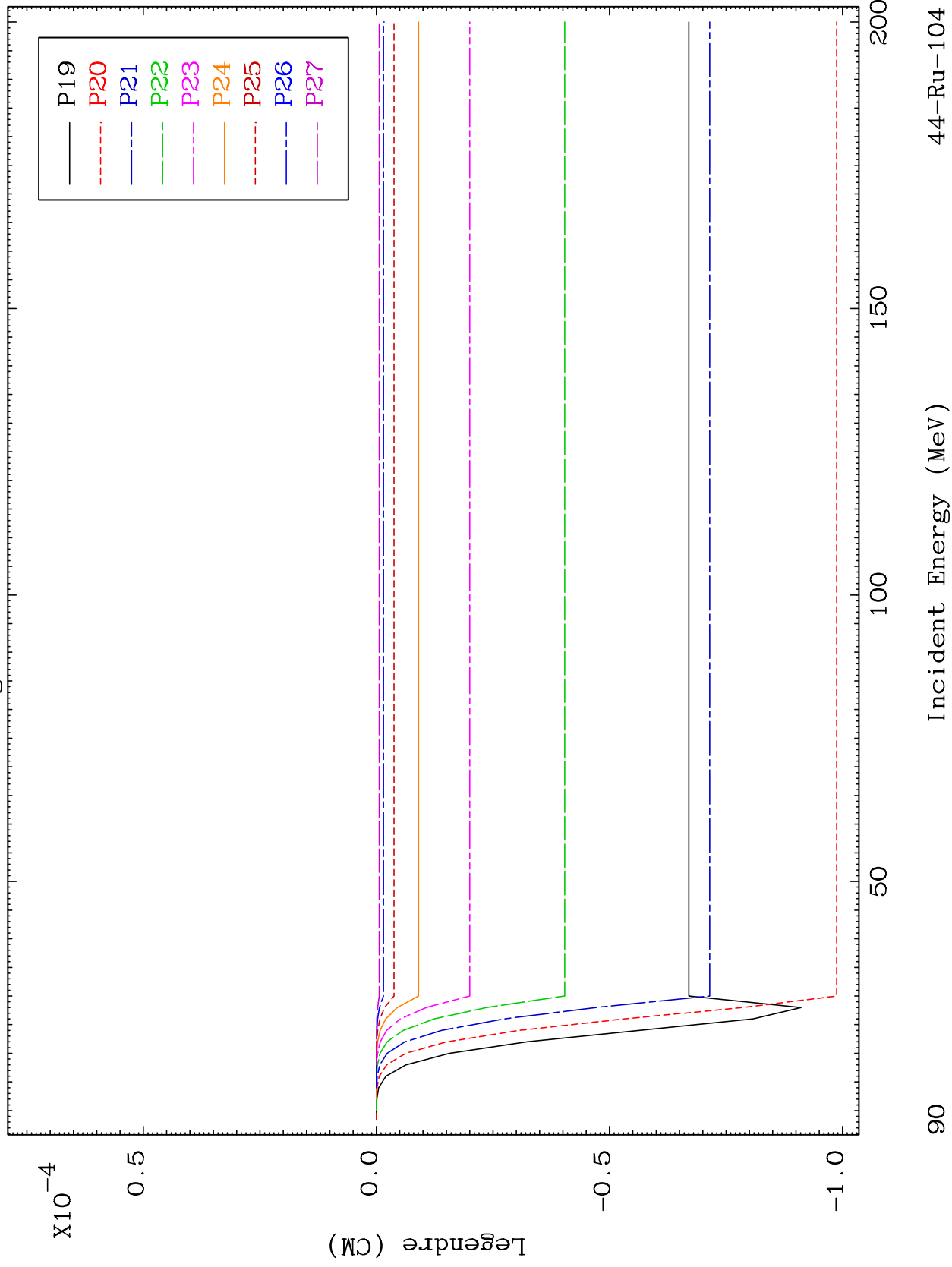
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 69 (n,n') Level
Legendre Coefficients

44-Ru-104



90

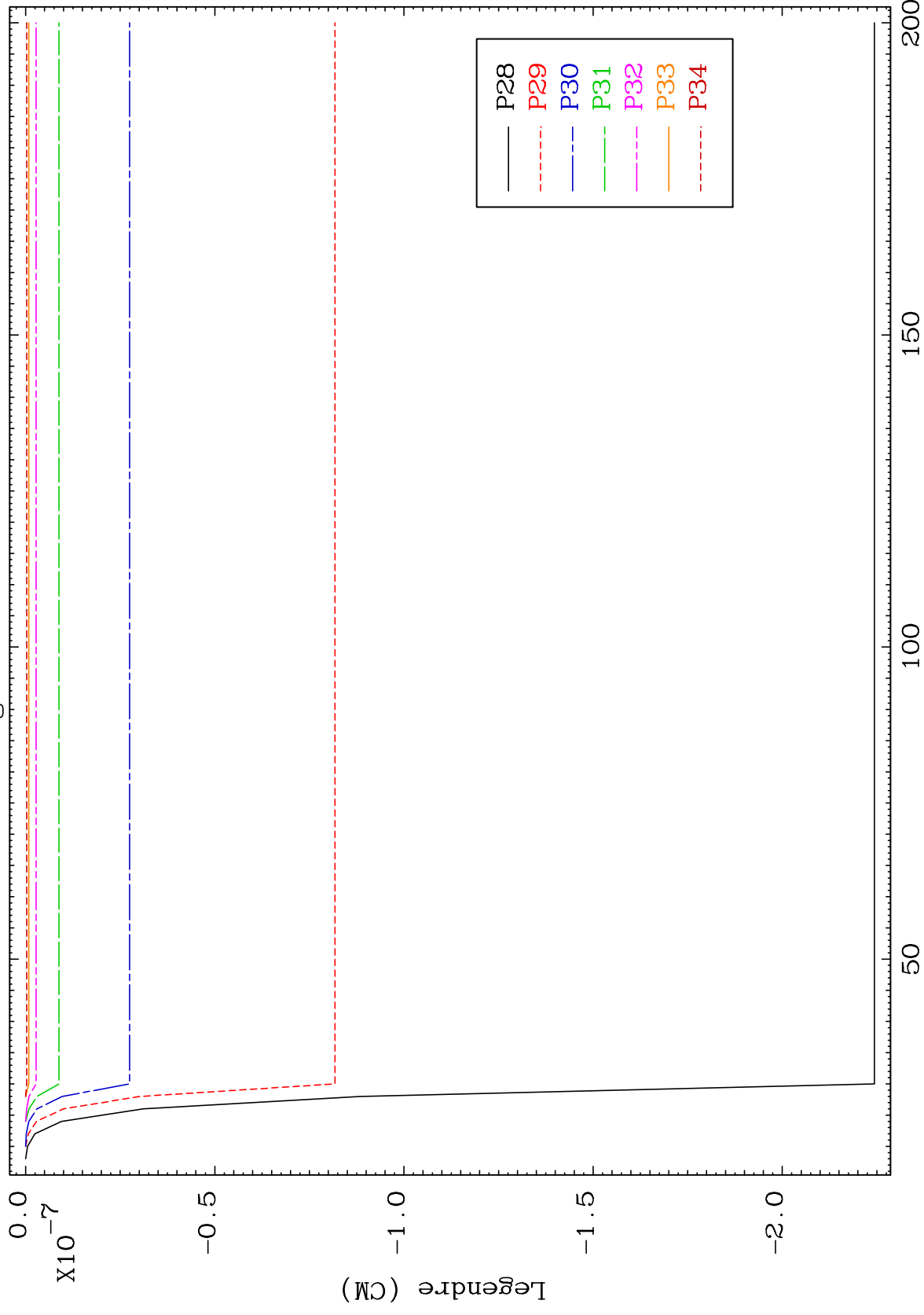
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 69 (n,n') Level
Legendre Coefficients

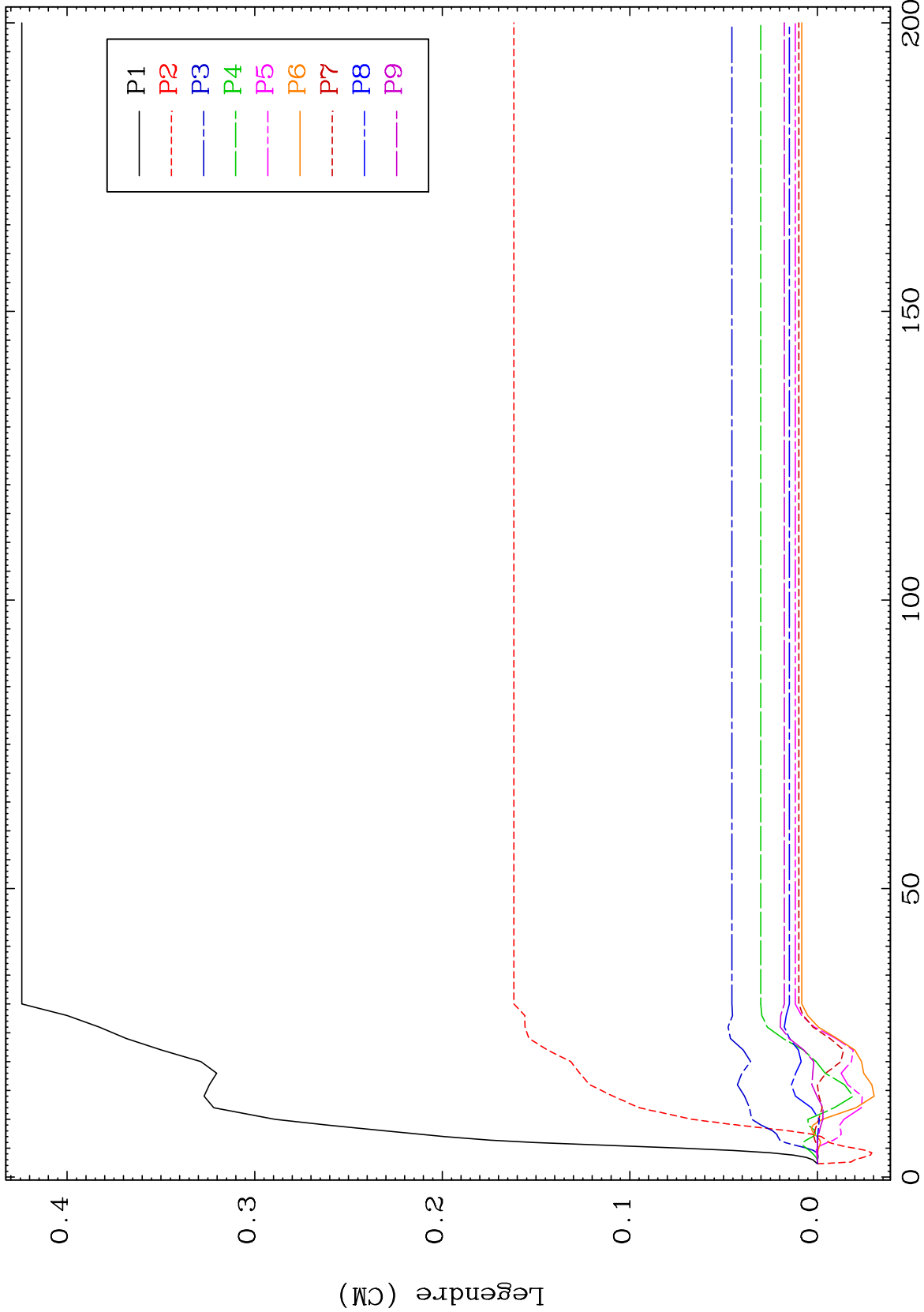
44-Ru-104



MAT 4449

MT= 70 (n,n') Level
Legendre Coefficients

44-Ru-104



92

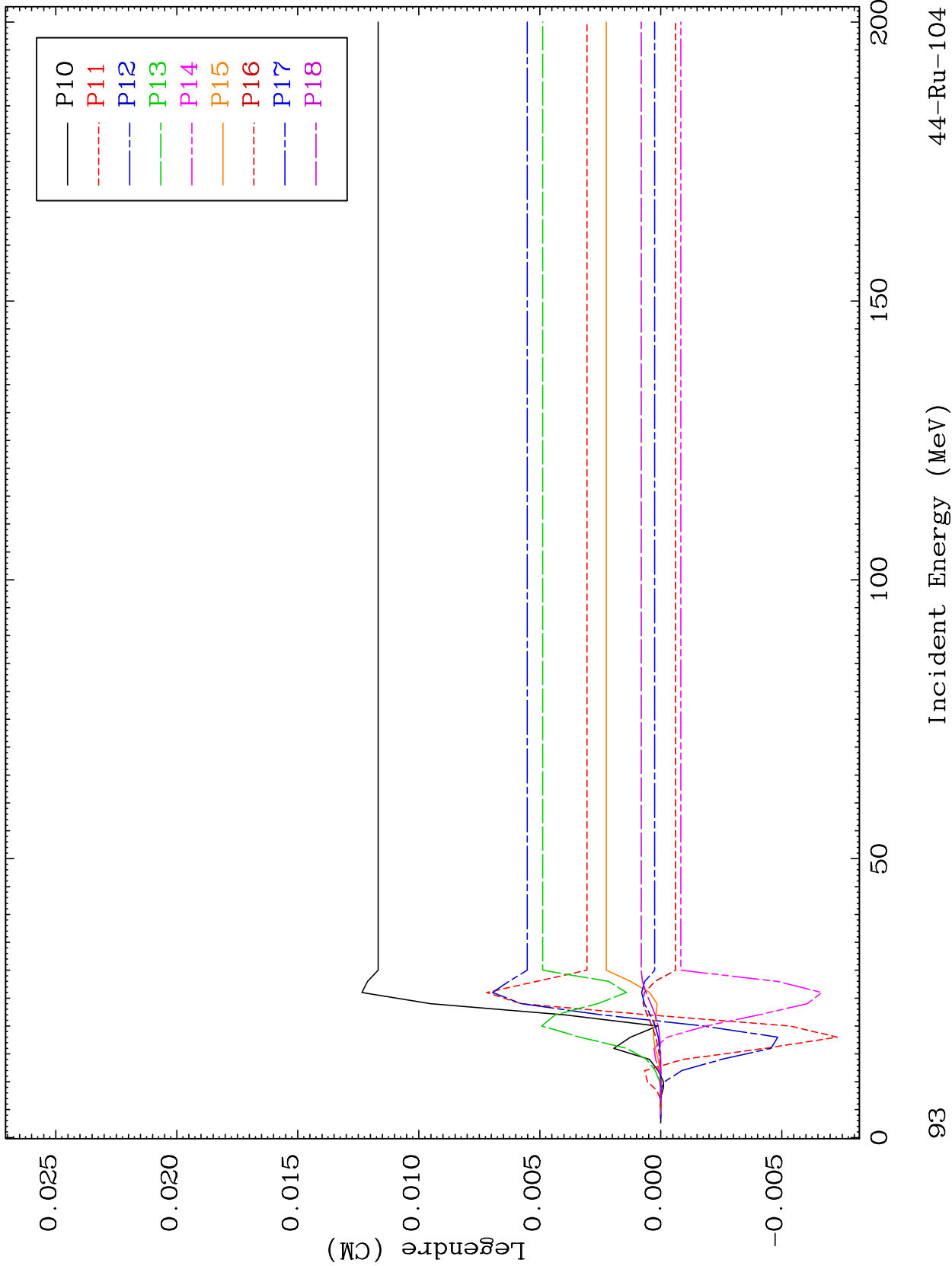
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 70 (n,n') Level
Legendre Coefficients

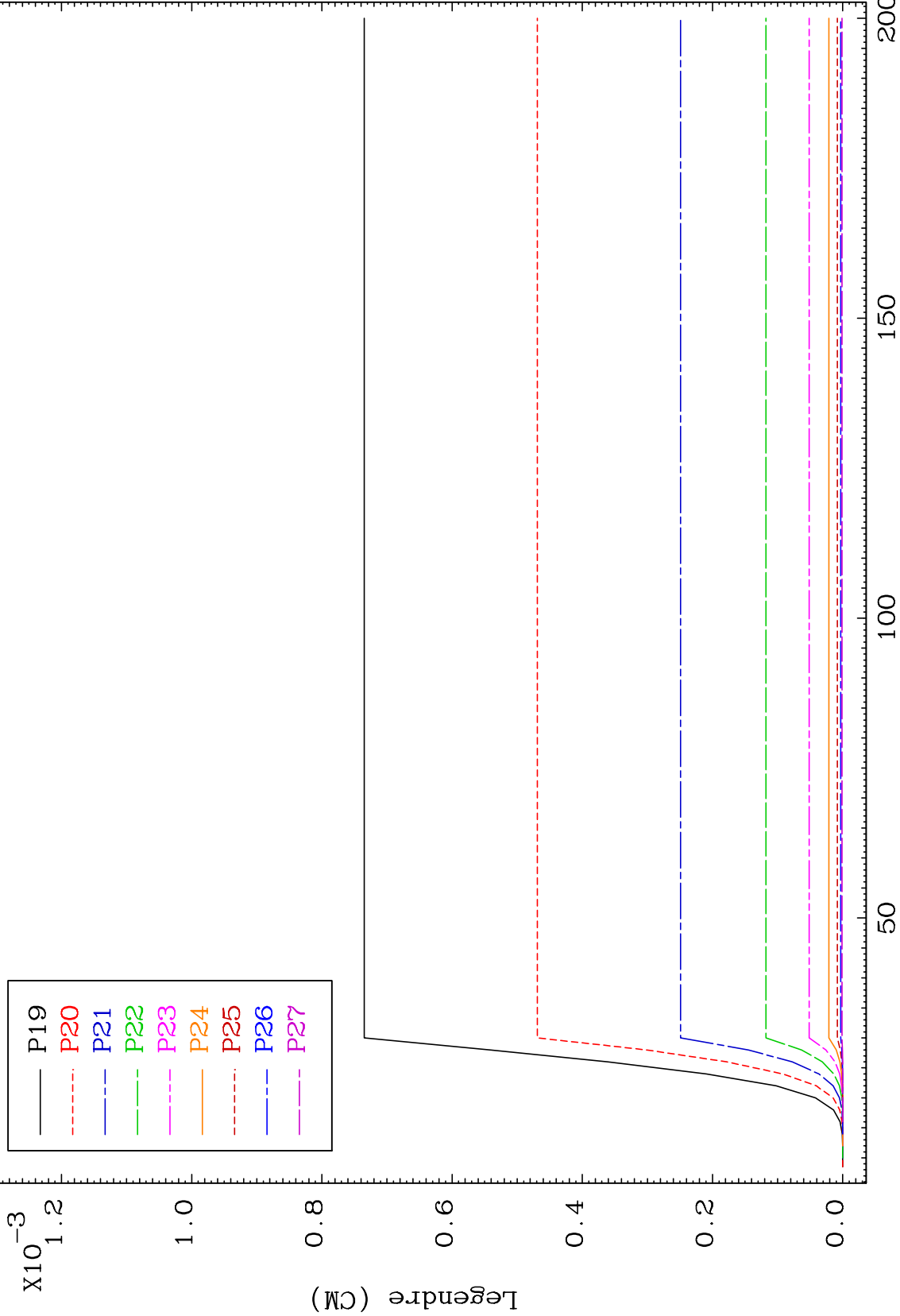
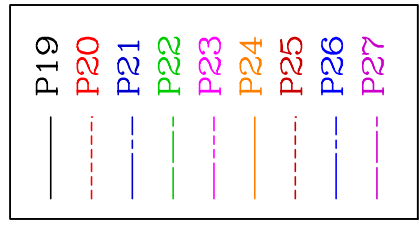
44-Ru-104



MAT 4449

MT= 70 (n,n') Level
Legendre Coefficients

44-Ru-104



94

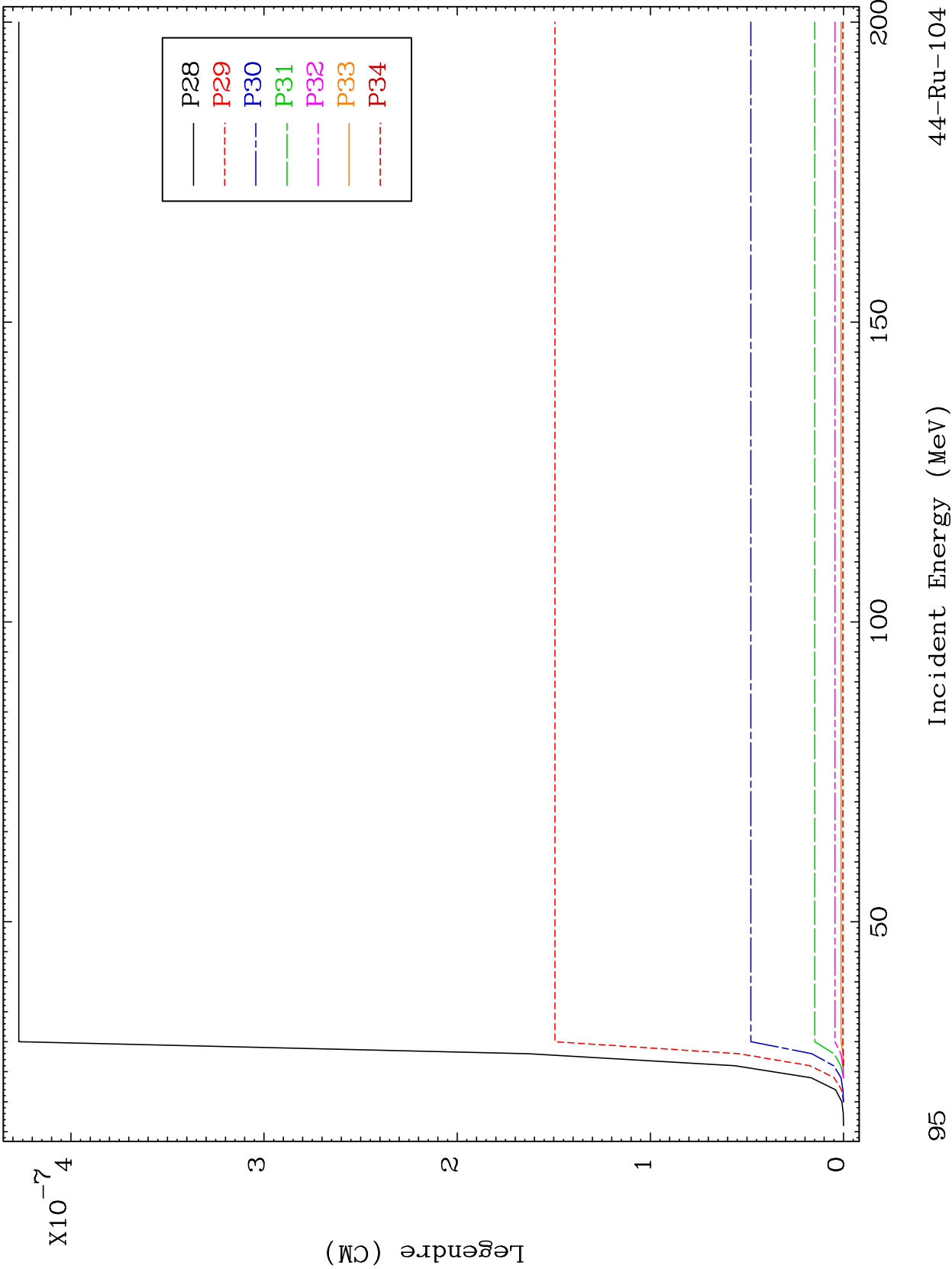
Incident Energy (MeV)

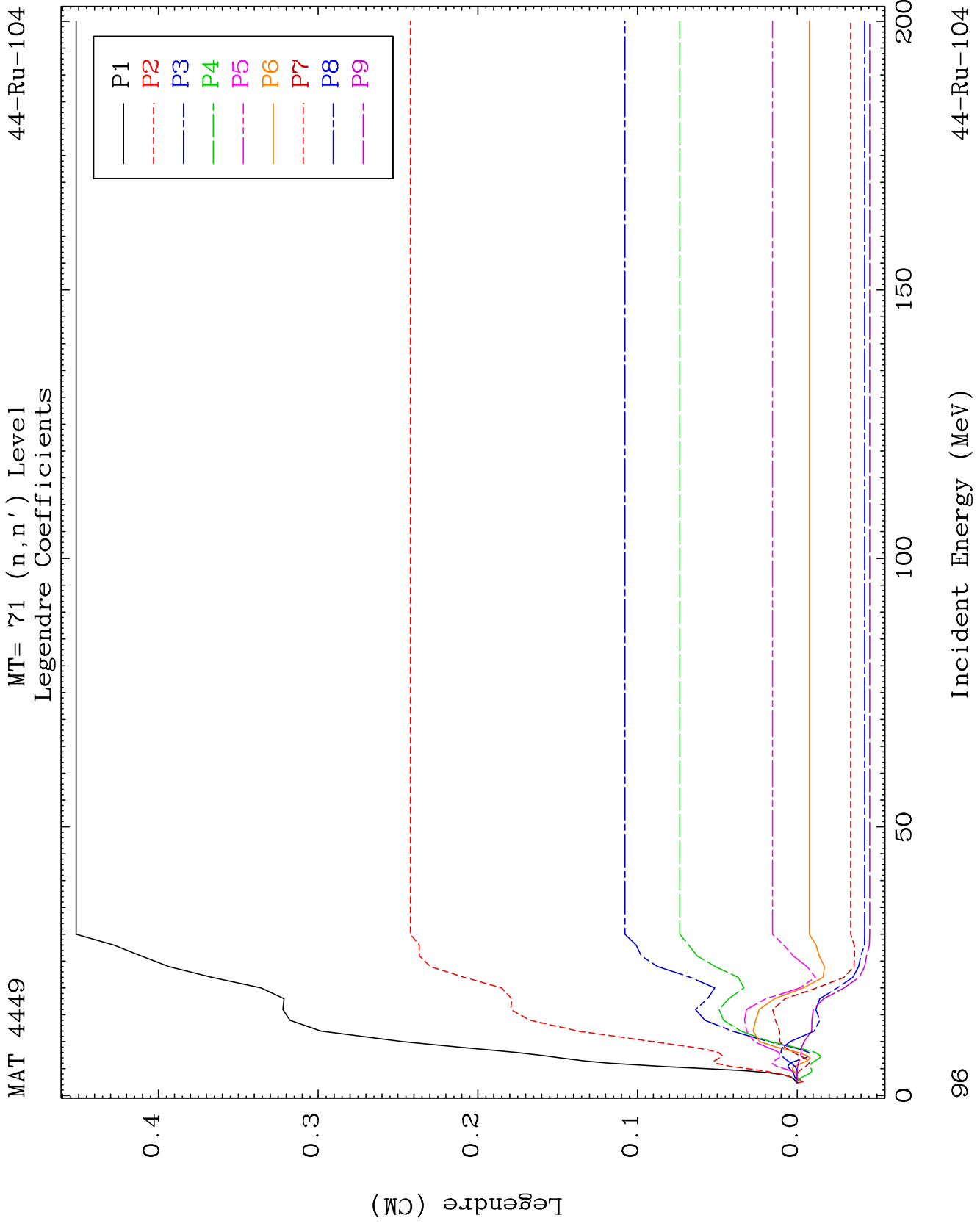
44-Ru-104

MAT 4449

MT= 70 (n,n') Level
Legendre Coefficients

44-Ru-104

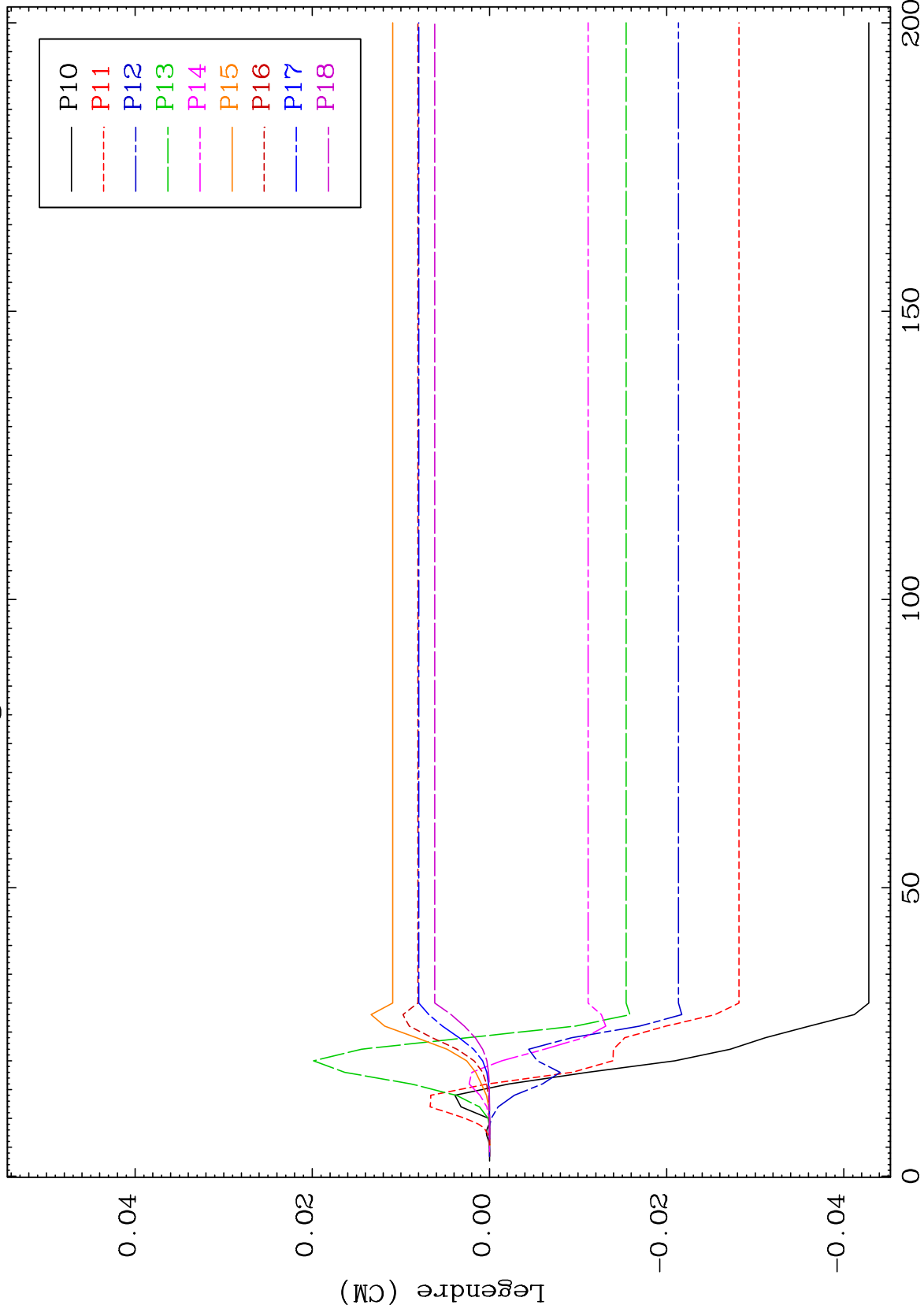




MAT 4449

MT= 71 (n,n') Level
Legendre Coefficients

44-Ru-104



97

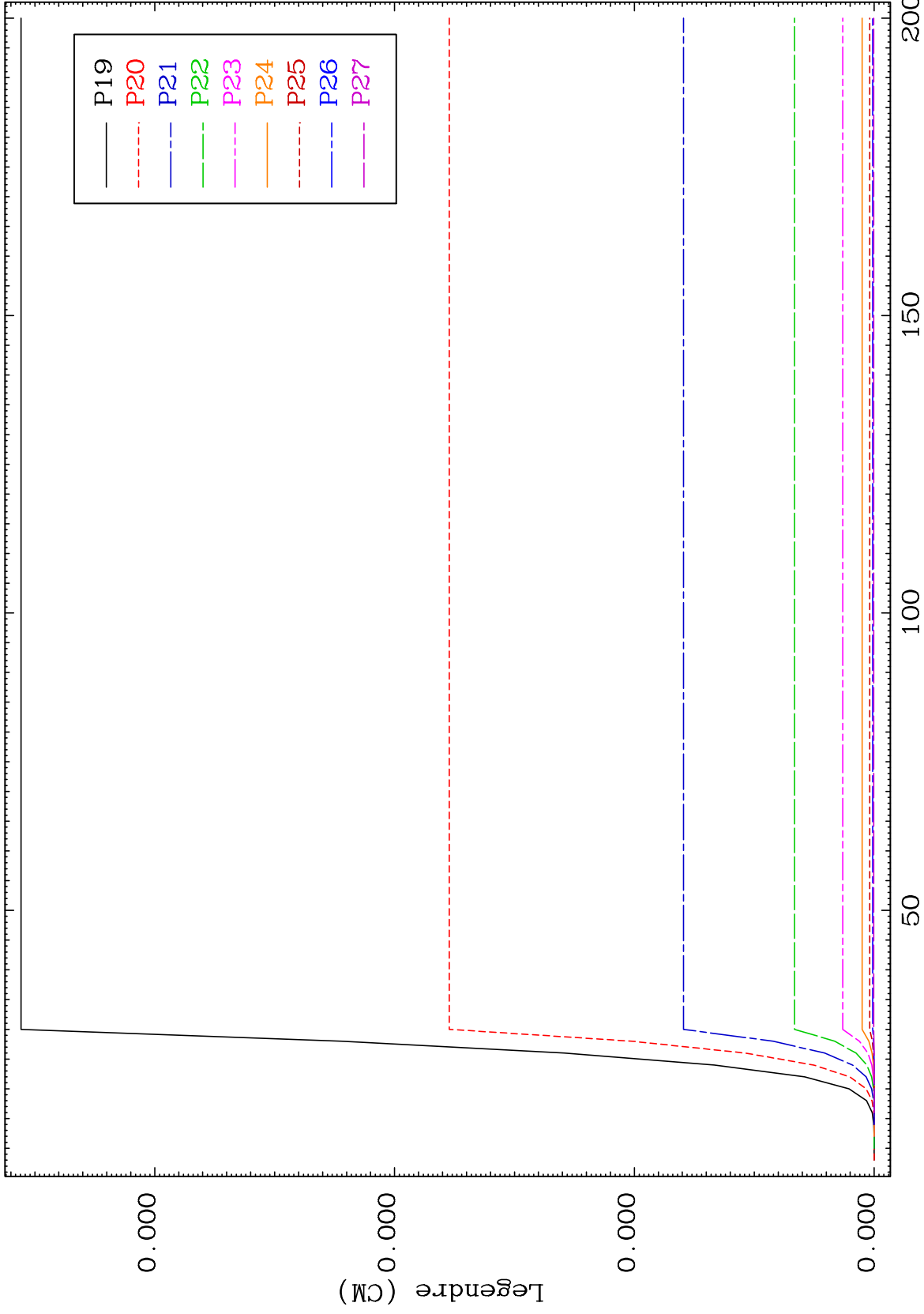
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 71 (n,n') Level
Legendre Coefficients

44-Ru-104



98

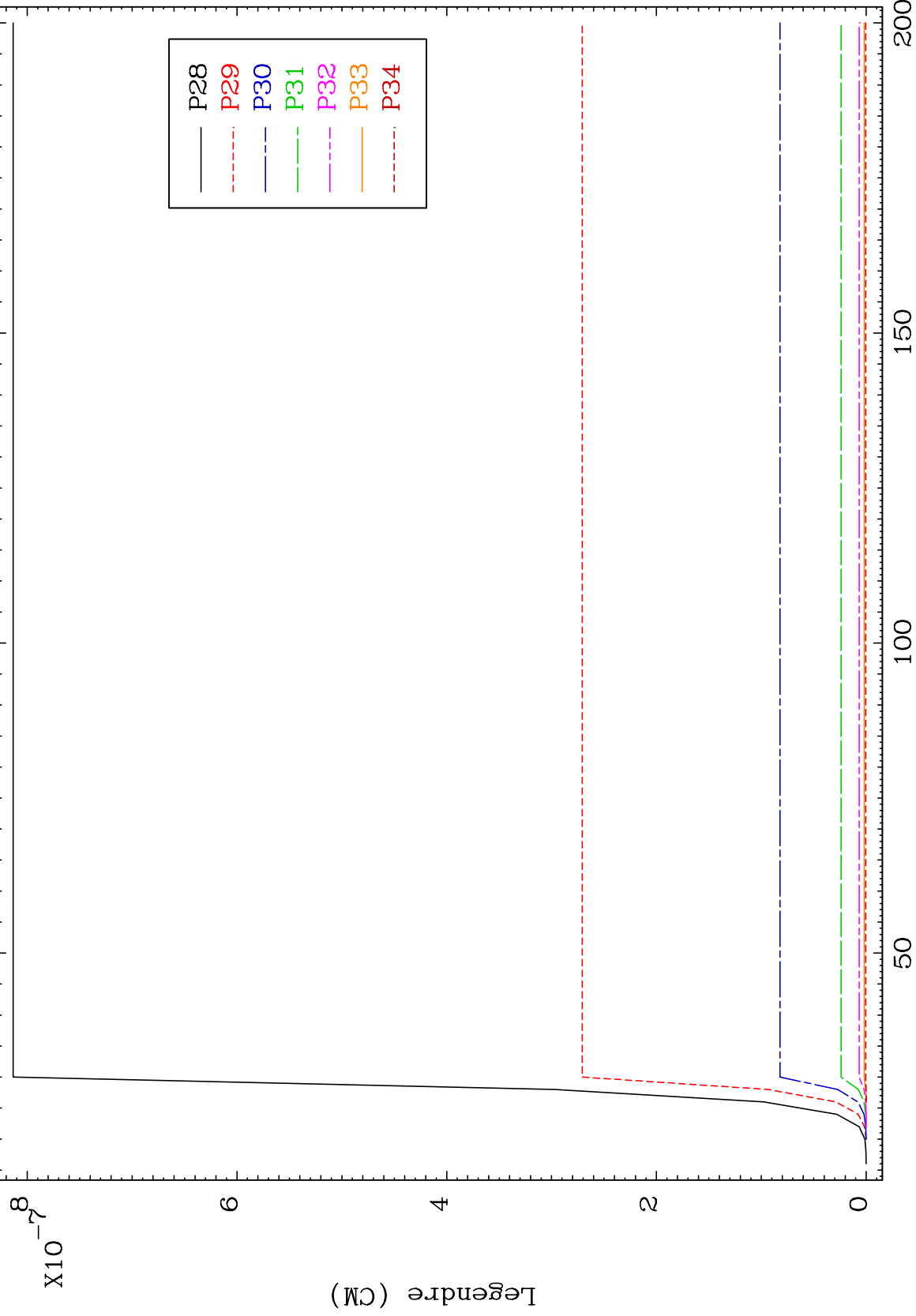
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 71 (n,n') Level
Legendre Coefficients

44-Ru-104



99

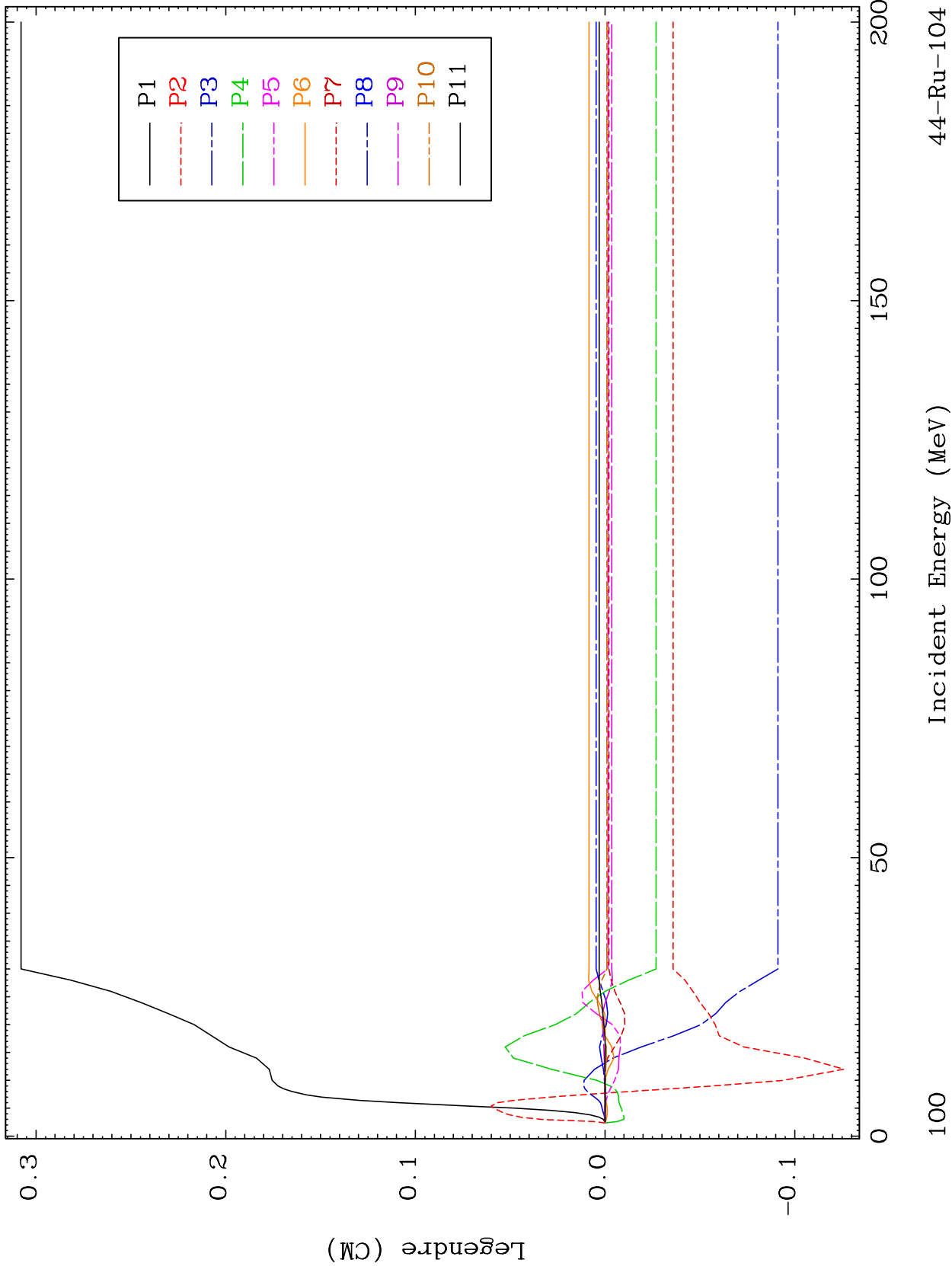
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 72 (n,n') Level
Legendre Coefficients

44-Ru-104



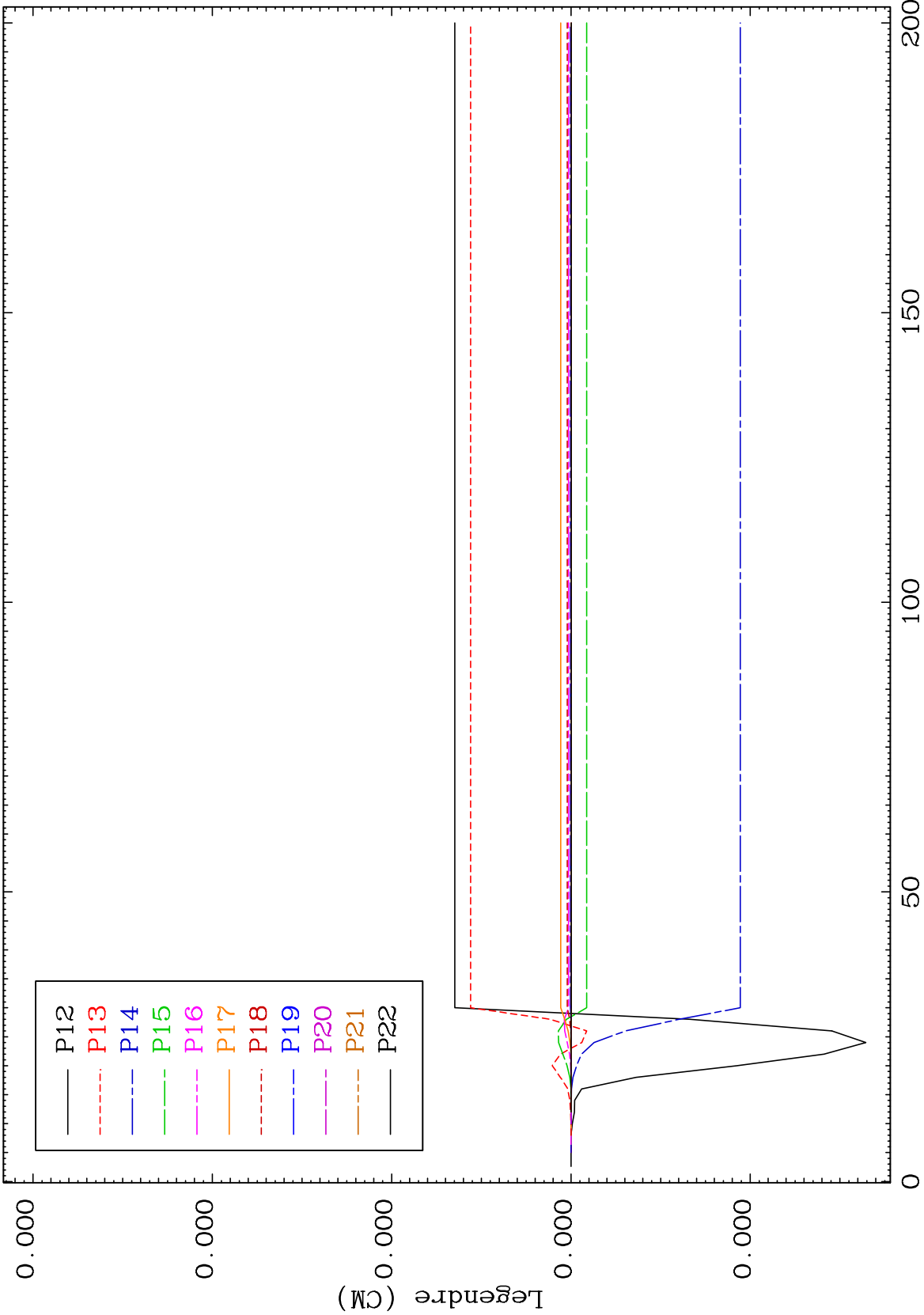
44-Ru-104

Incident Energy (MeV)

MAT 4449

MT= 72 (n,n') Level
Legendre Coefficients

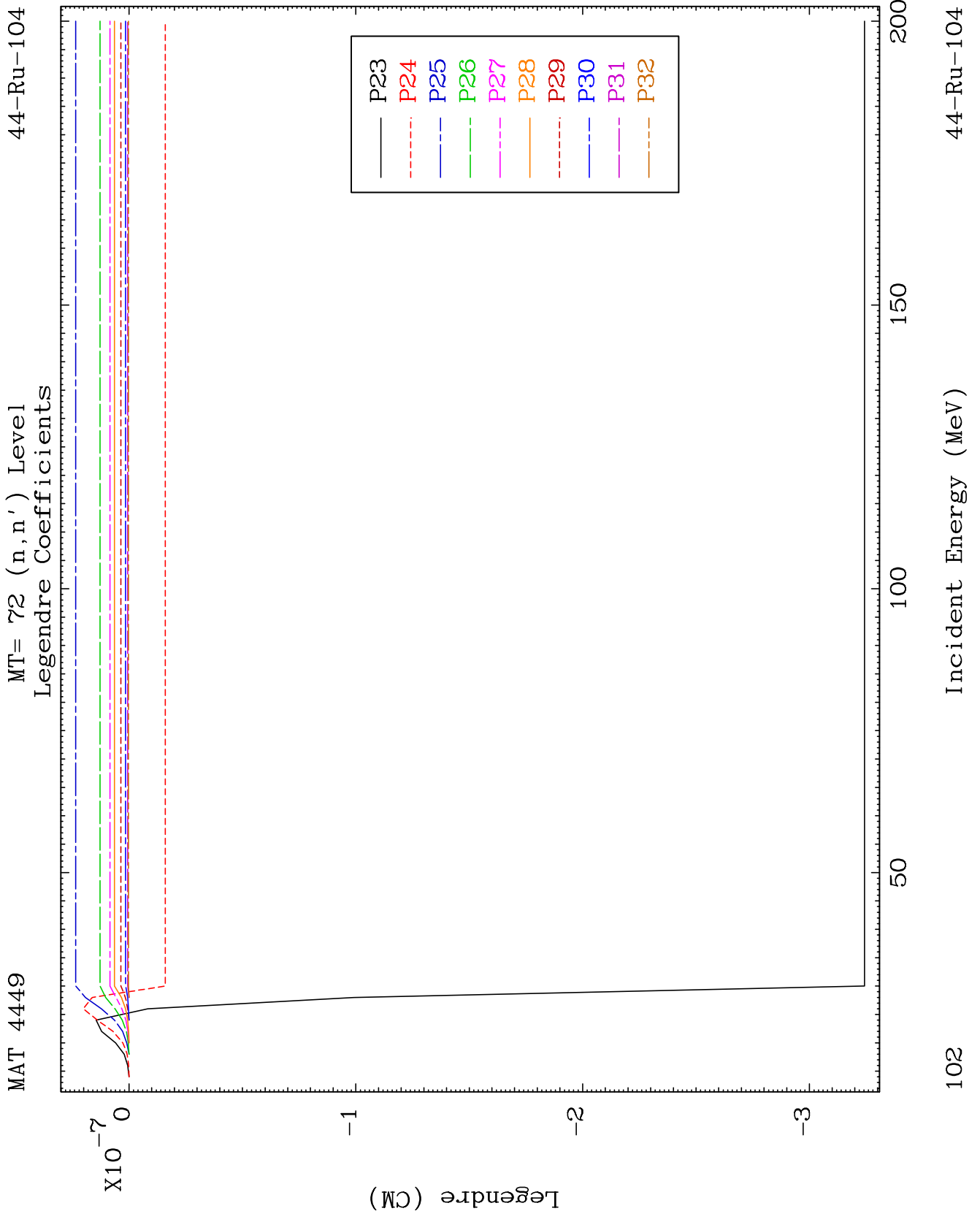
44-Ru-104



101

Incident Energy (MeV)

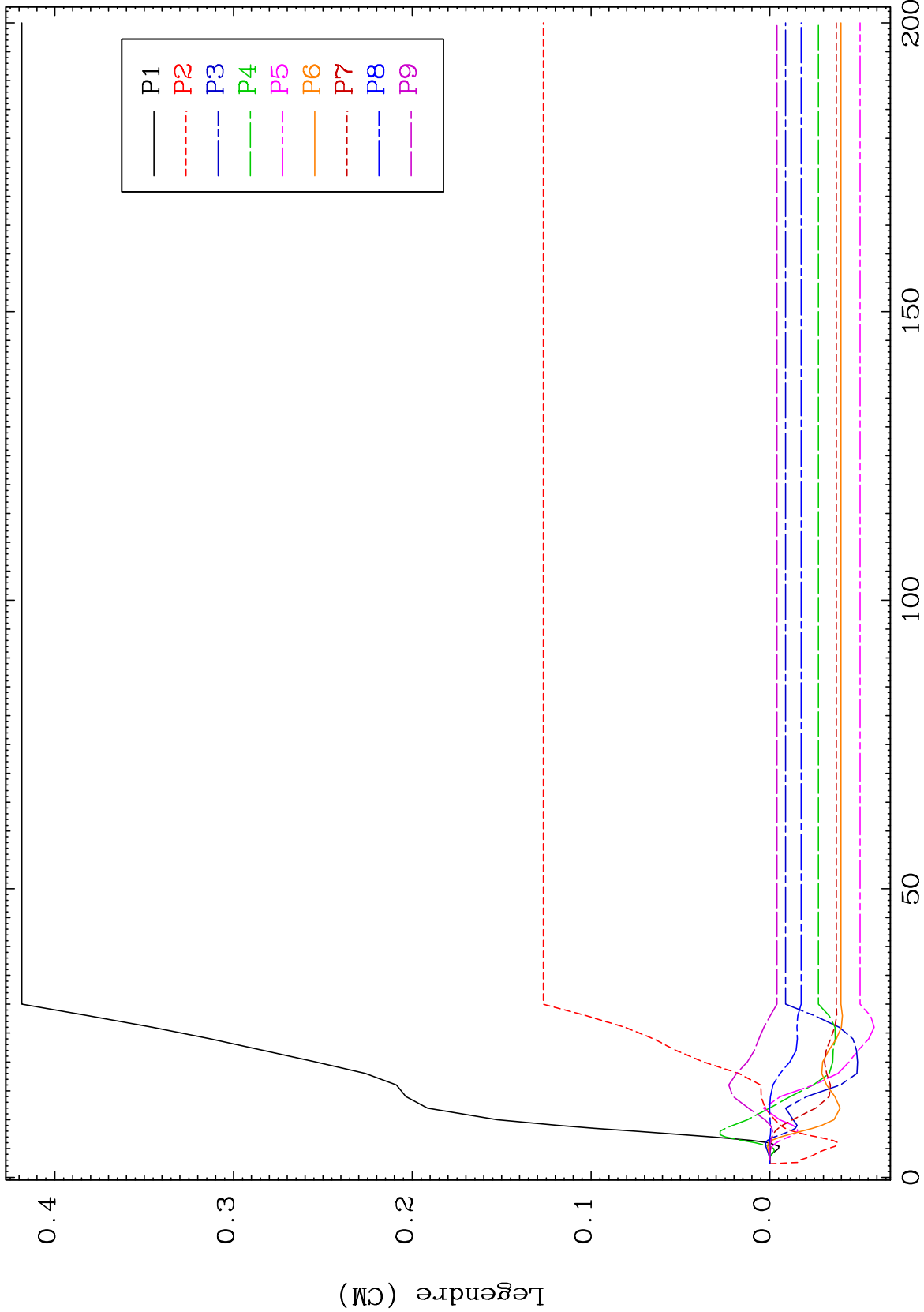
44-Ru-104



MAT 4449

MT= 73 (n,n') Level
Legendre Coefficients

44-Ru-104



103

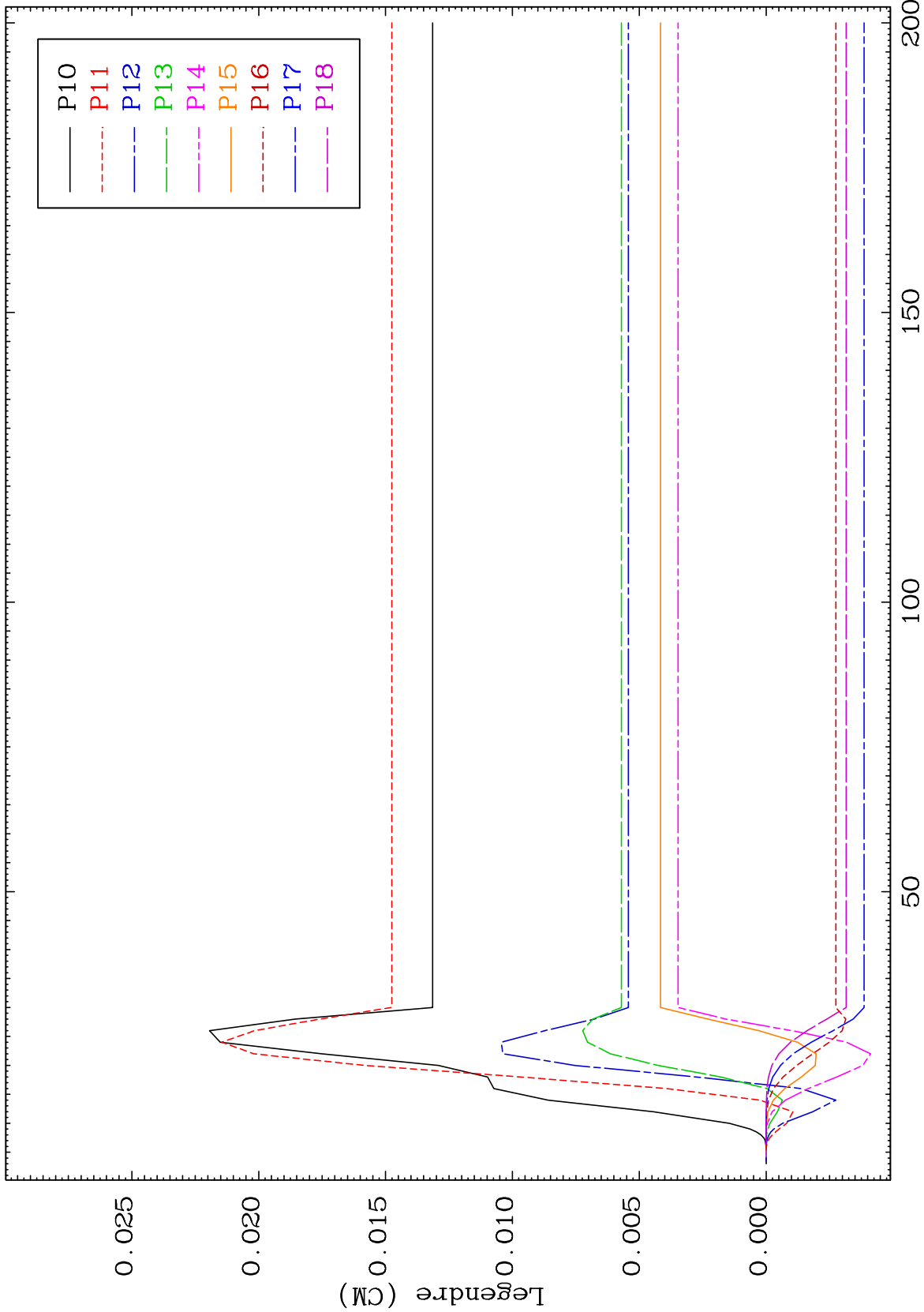
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 73 (n,n') Level
Legendre Coefficients

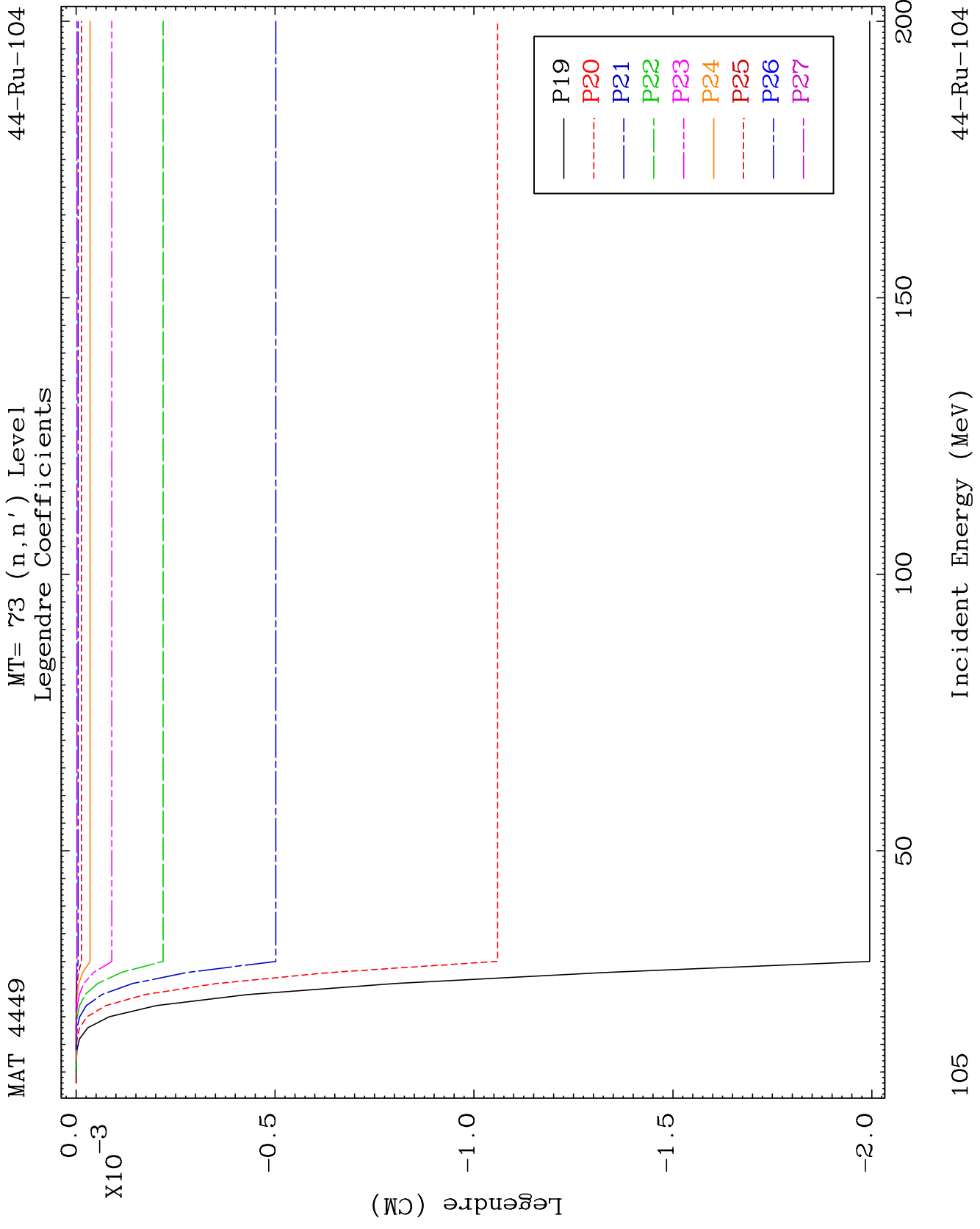
44-Ru-104

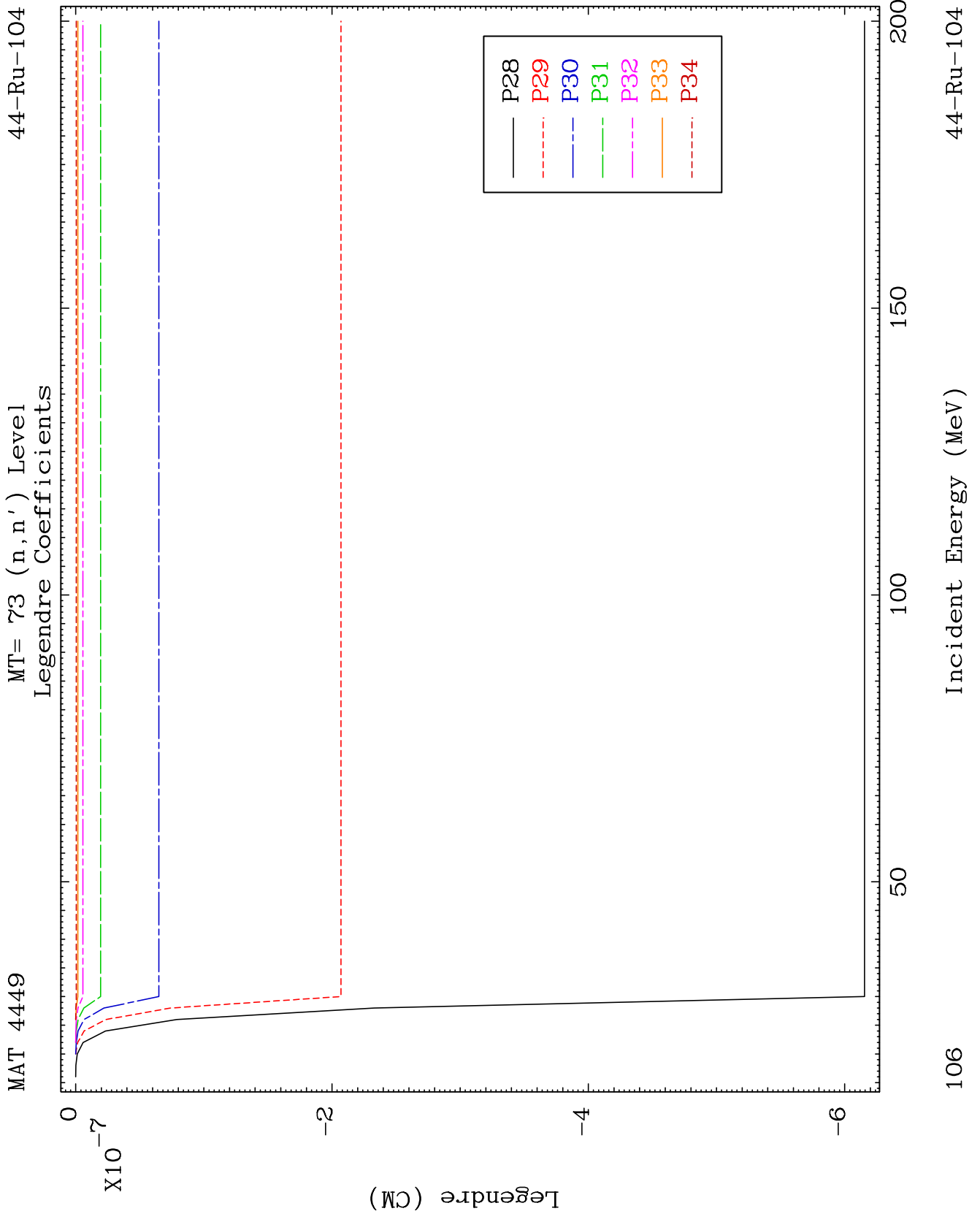


104

Incident Energy (MeV)

44-Ru-104

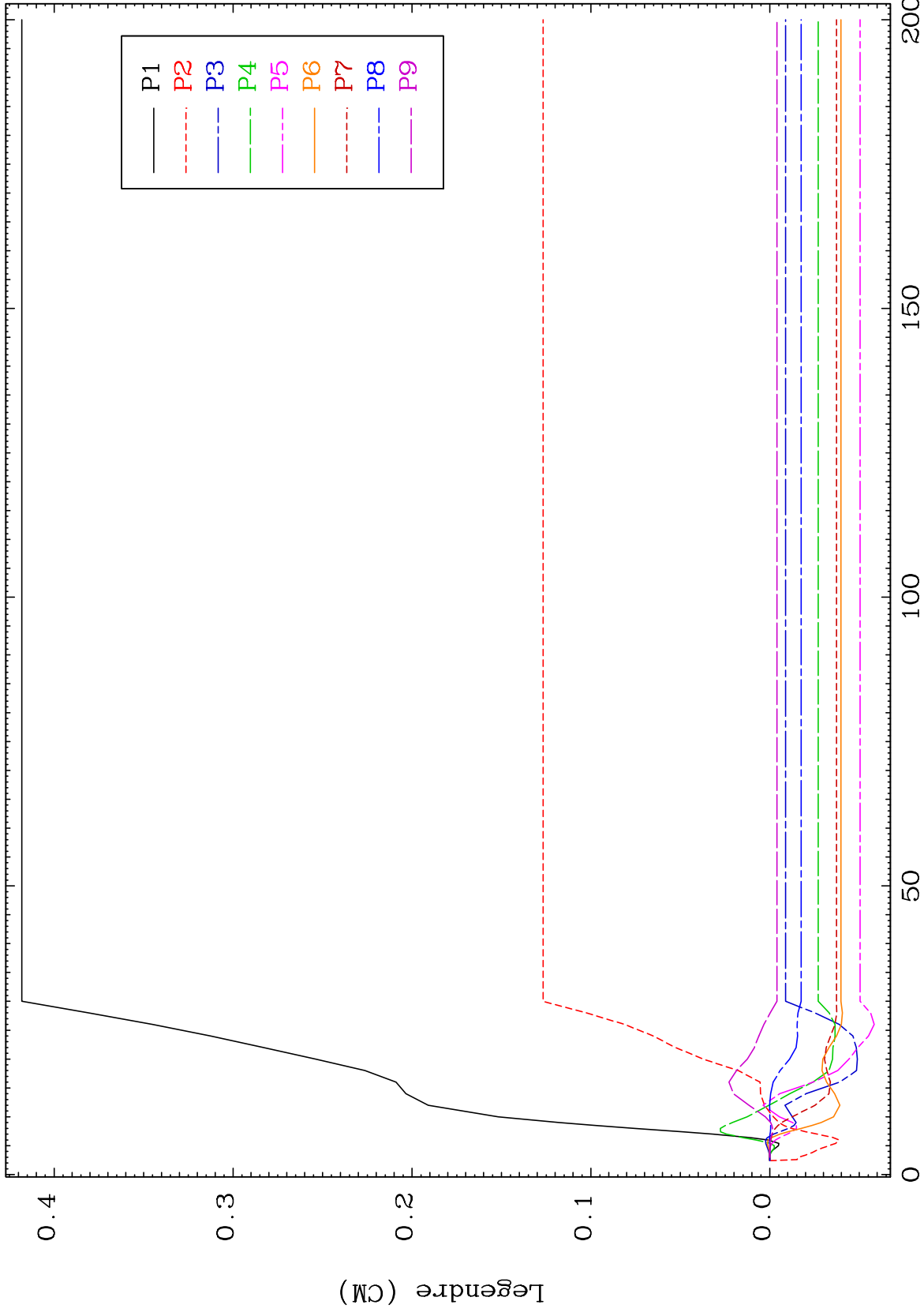




MAT 4449

MT= 74 (n,n') Level
Legendre Coefficients

44-Ru-104



107

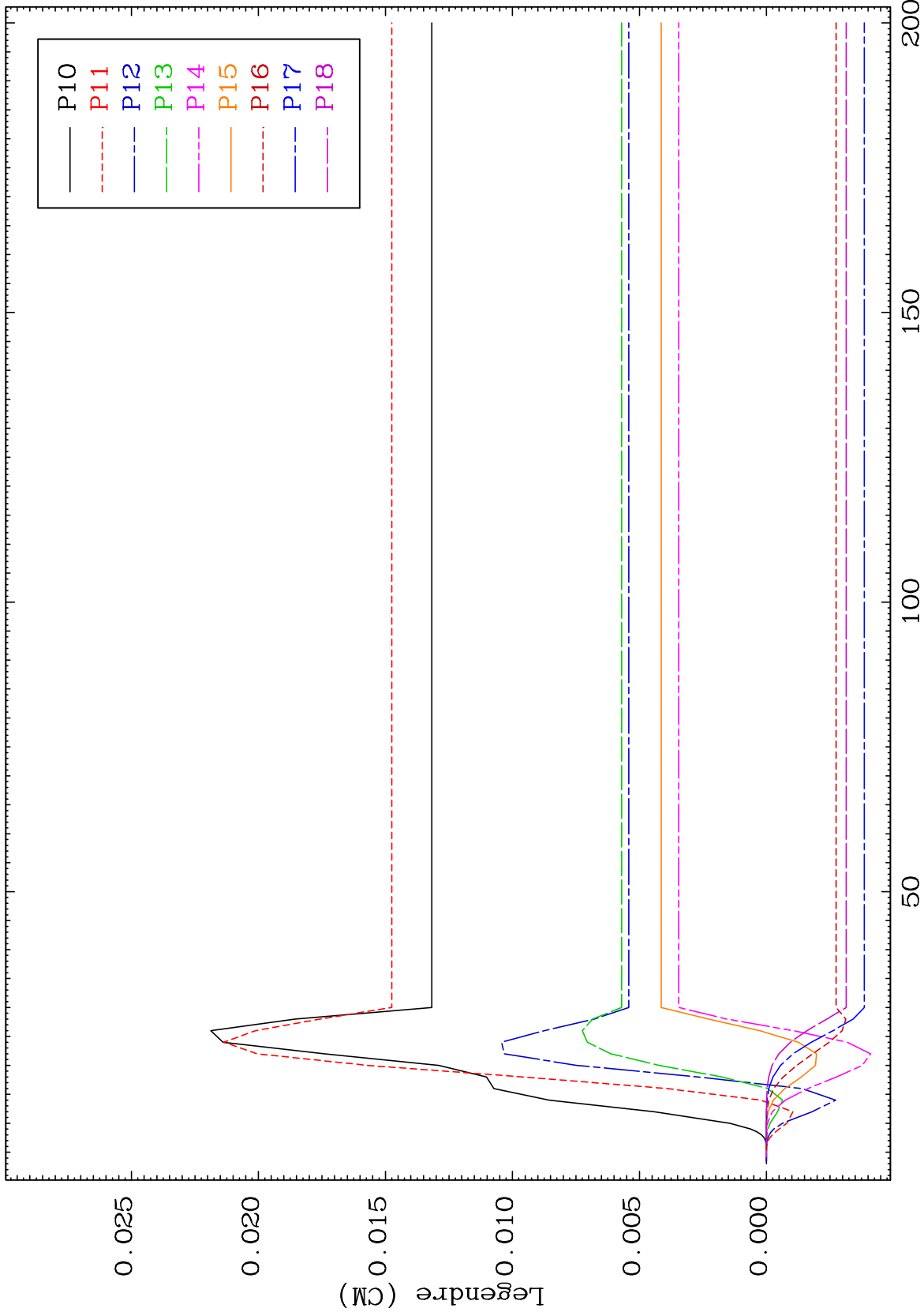
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 74 (n,n') Level
Legendre Coefficients

44-Ru-104



108

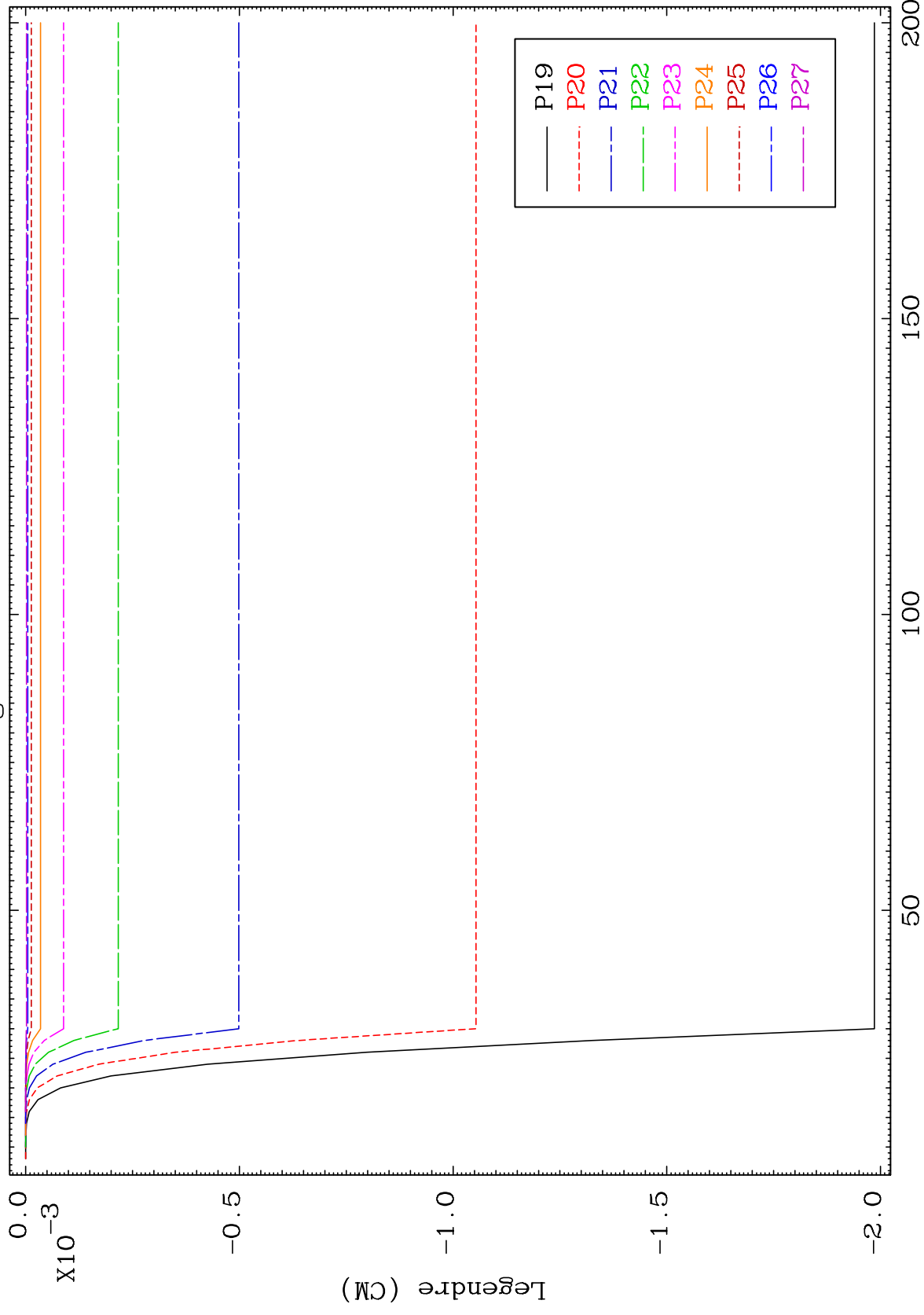
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 74 (n,n') Level
Legendre Coefficients

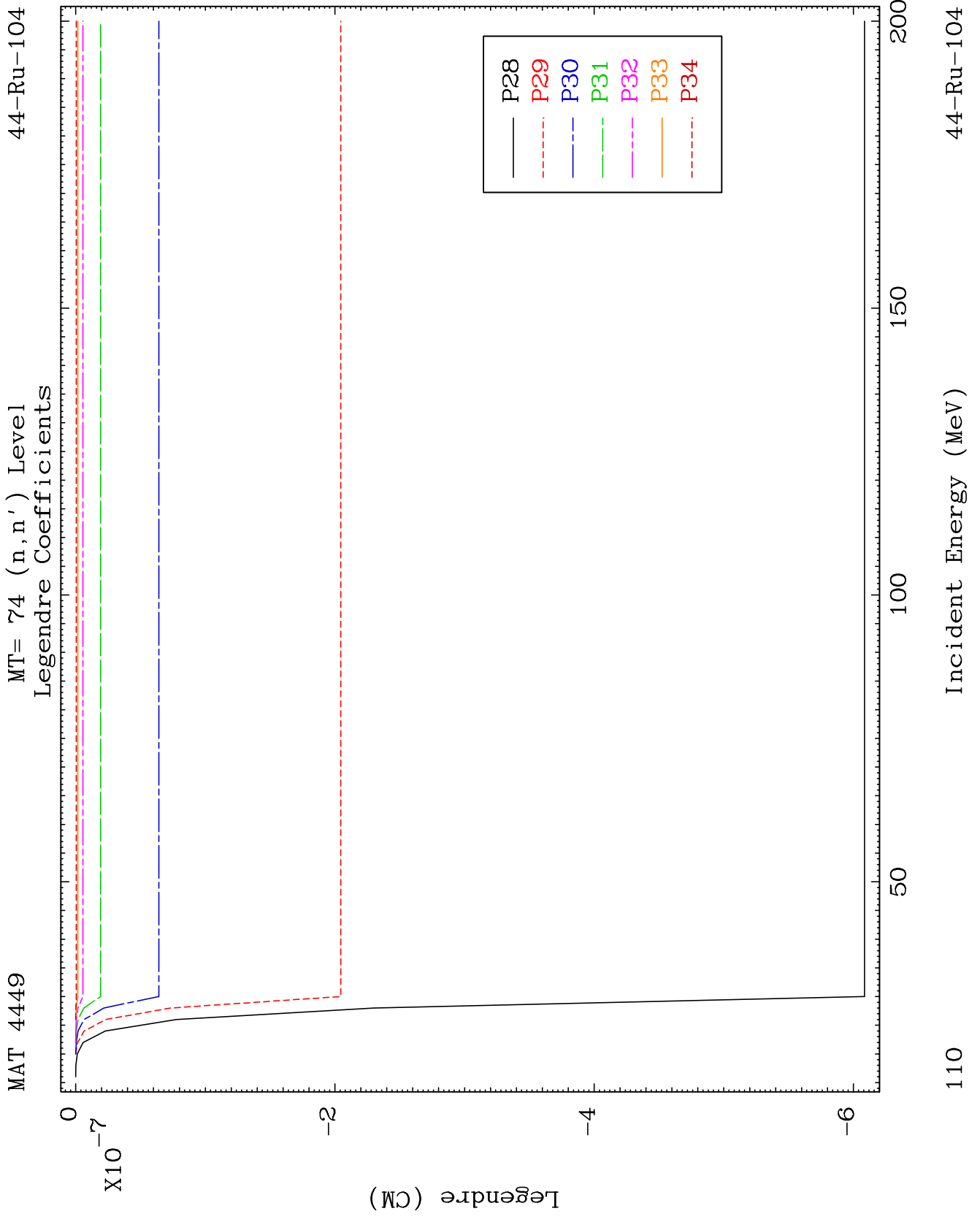
44-Ru-104



109

Incident Energy (MeV)

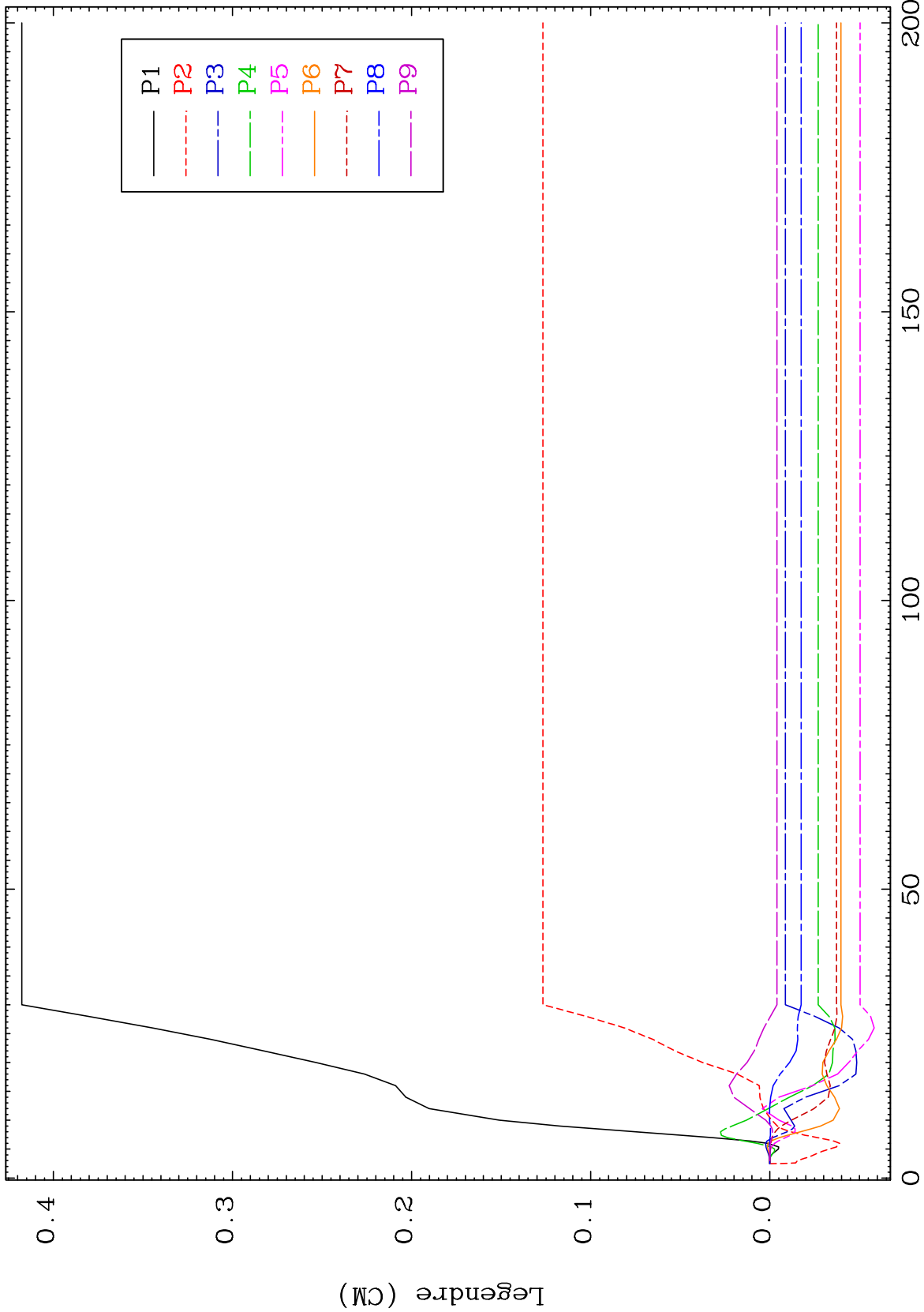
44-Ru-104



MAT 4449

MT= 75 (n,n') Level
Legendre Coefficients

44-Ru-104



111

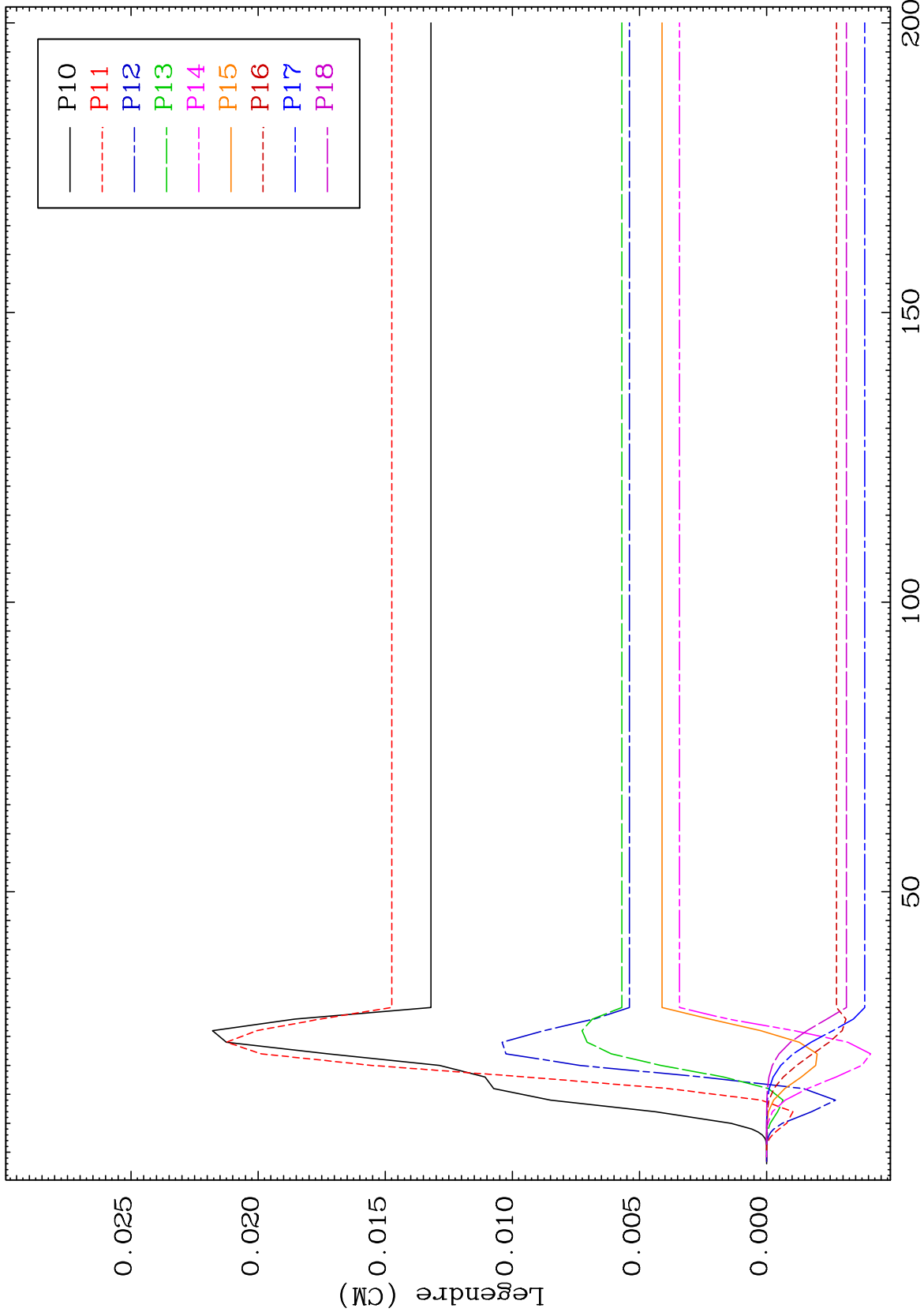
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 75 (n,n') Level
Legendre Coefficients

44-Ru-104



112

Incident Energy (MeV)

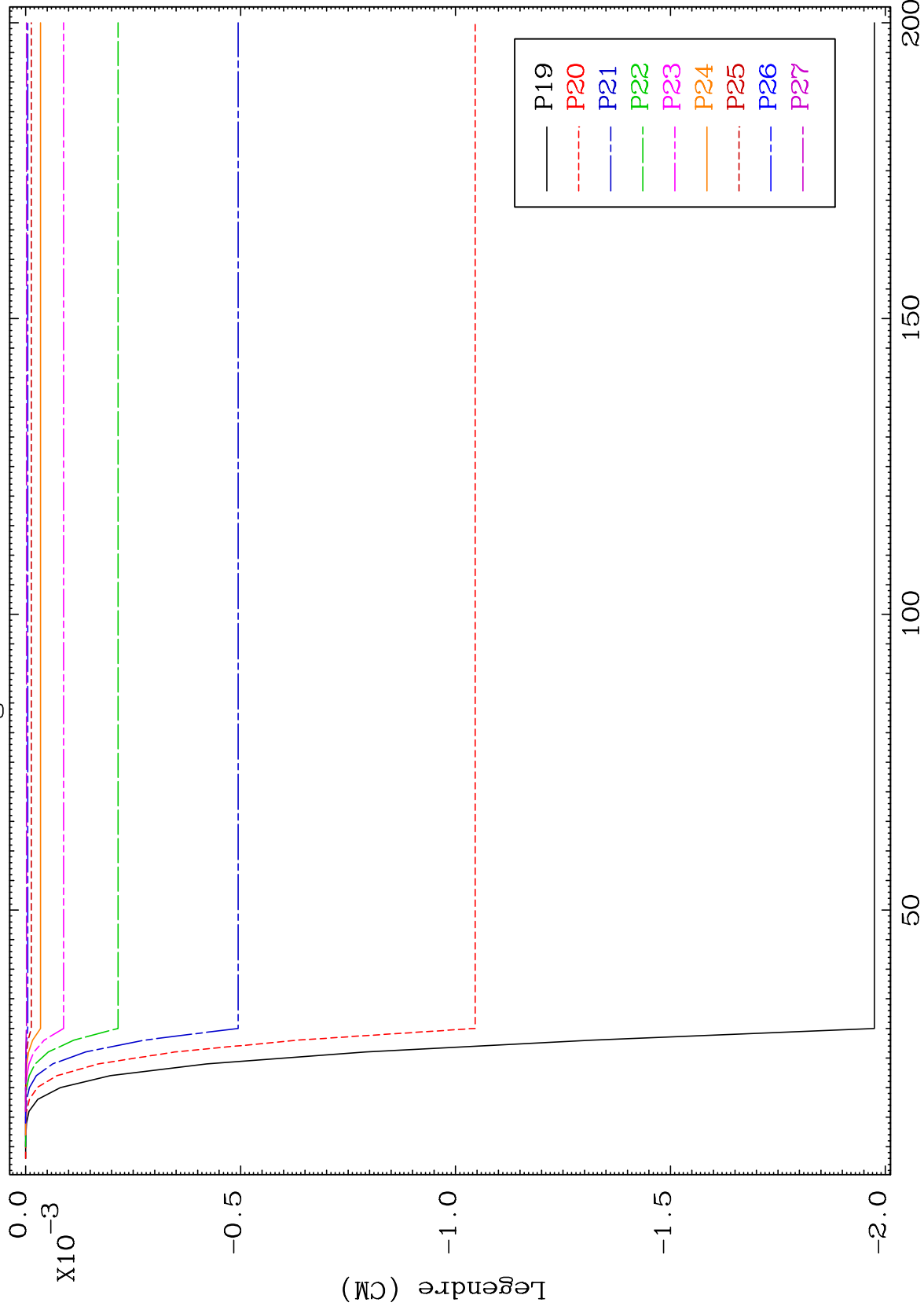
44-Ru-104

MAT 4449

MT= 75 (n,n') Level

44-Ru-104

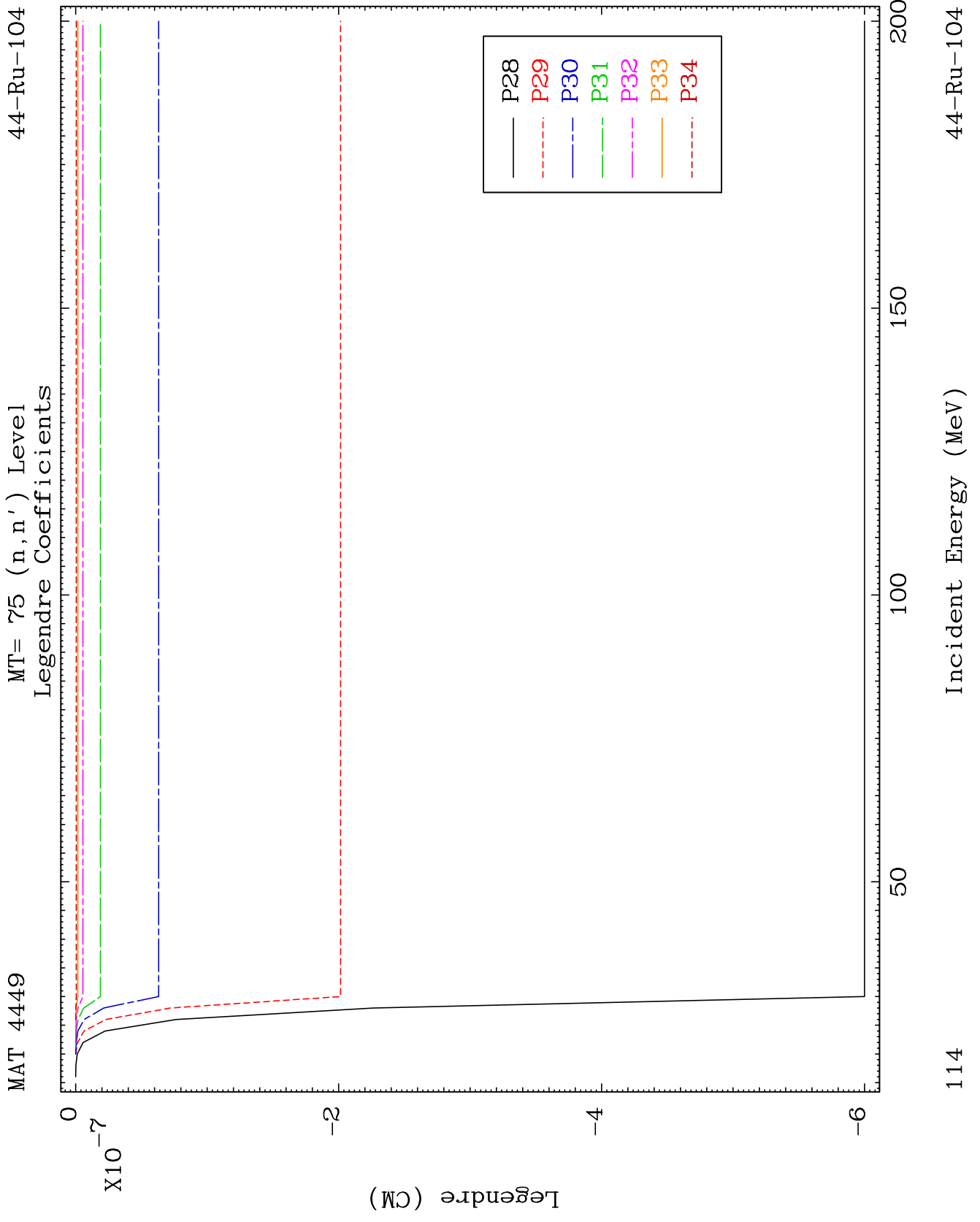
Legendre Coefficients



113

Incident Energy (MeV)

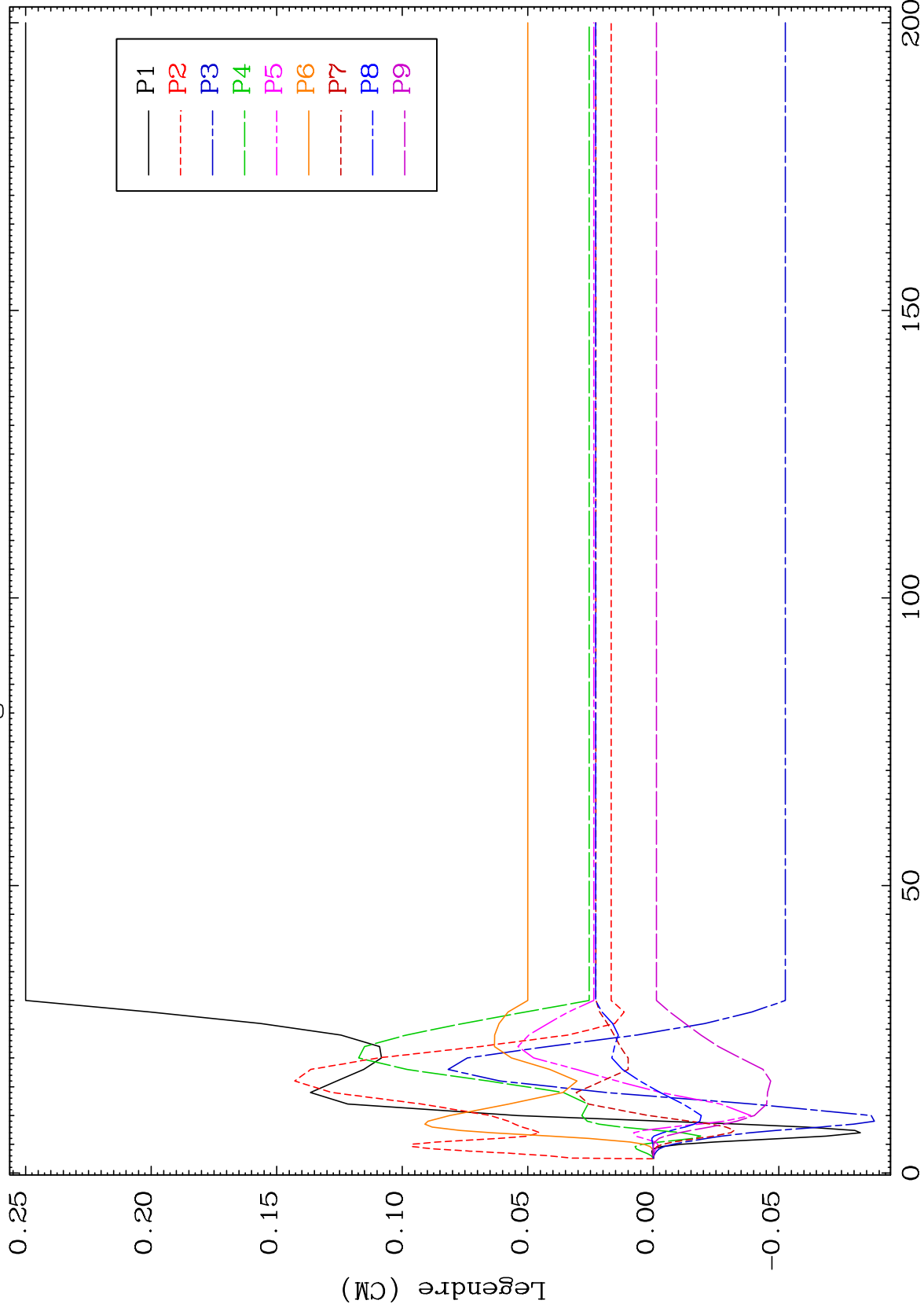
44-Ru-104



MAT 4449

MT= 76 (n,n') Level
Legendre Coefficients

44-Ru-104



115

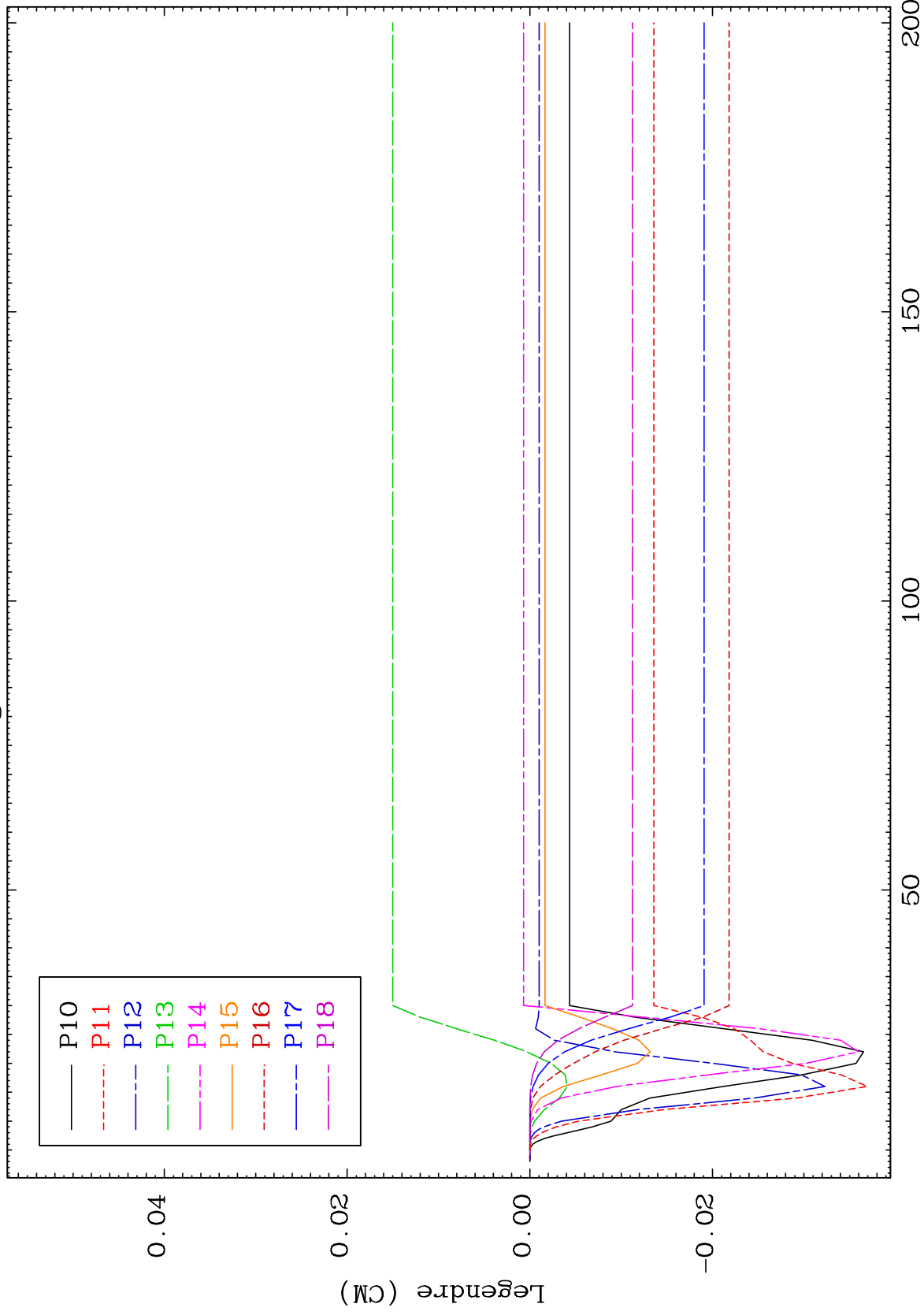
Incident Energy (MeV)

44-Ru-104

MAT 4449

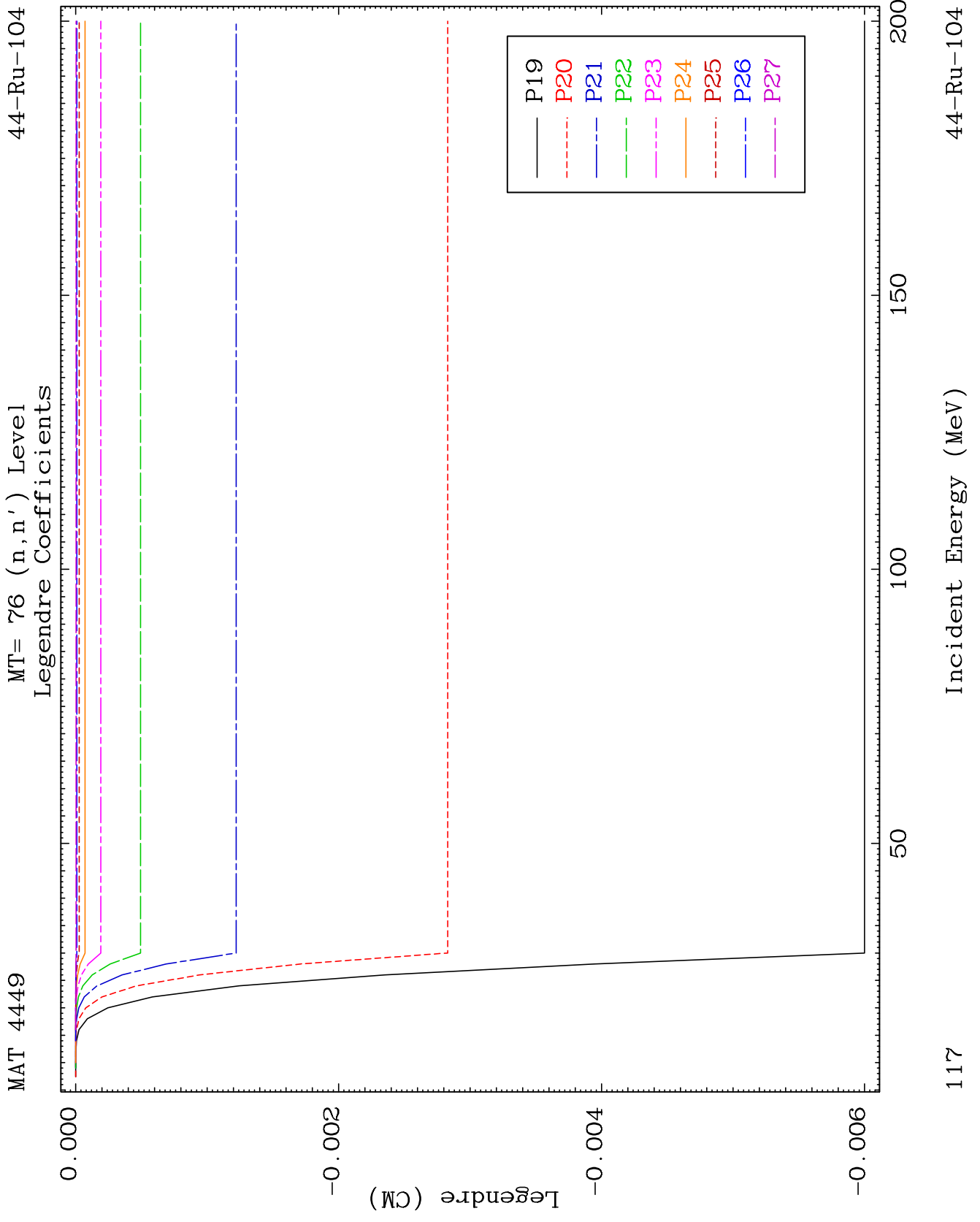
MT= 76 (n,n') Level
Legendre Coefficients

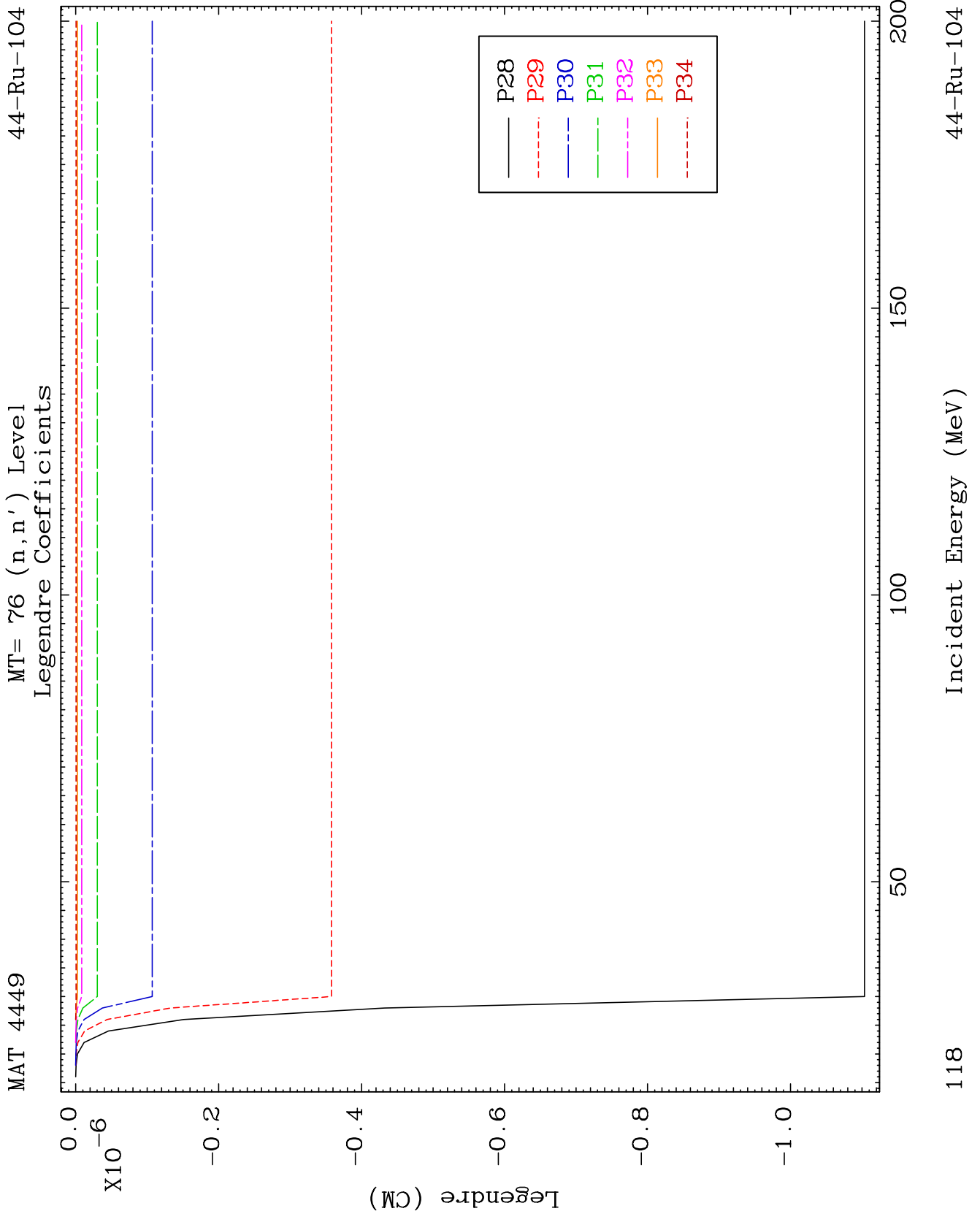
44-Ru-104



116

44-Ru-104

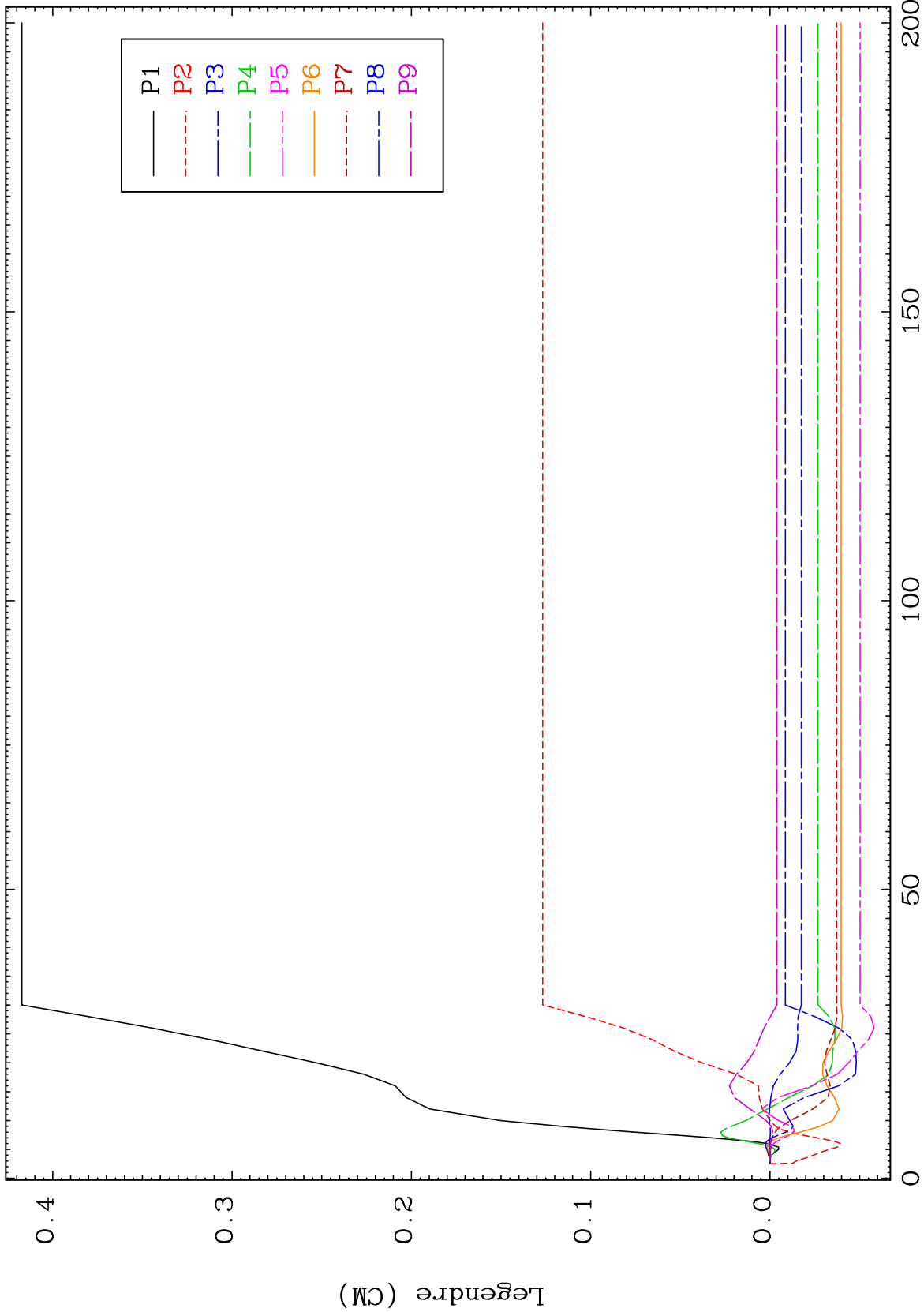




MAT 4449

MT= 77 (n,n') Level
Legendre Coefficients

44-Ru-104



119

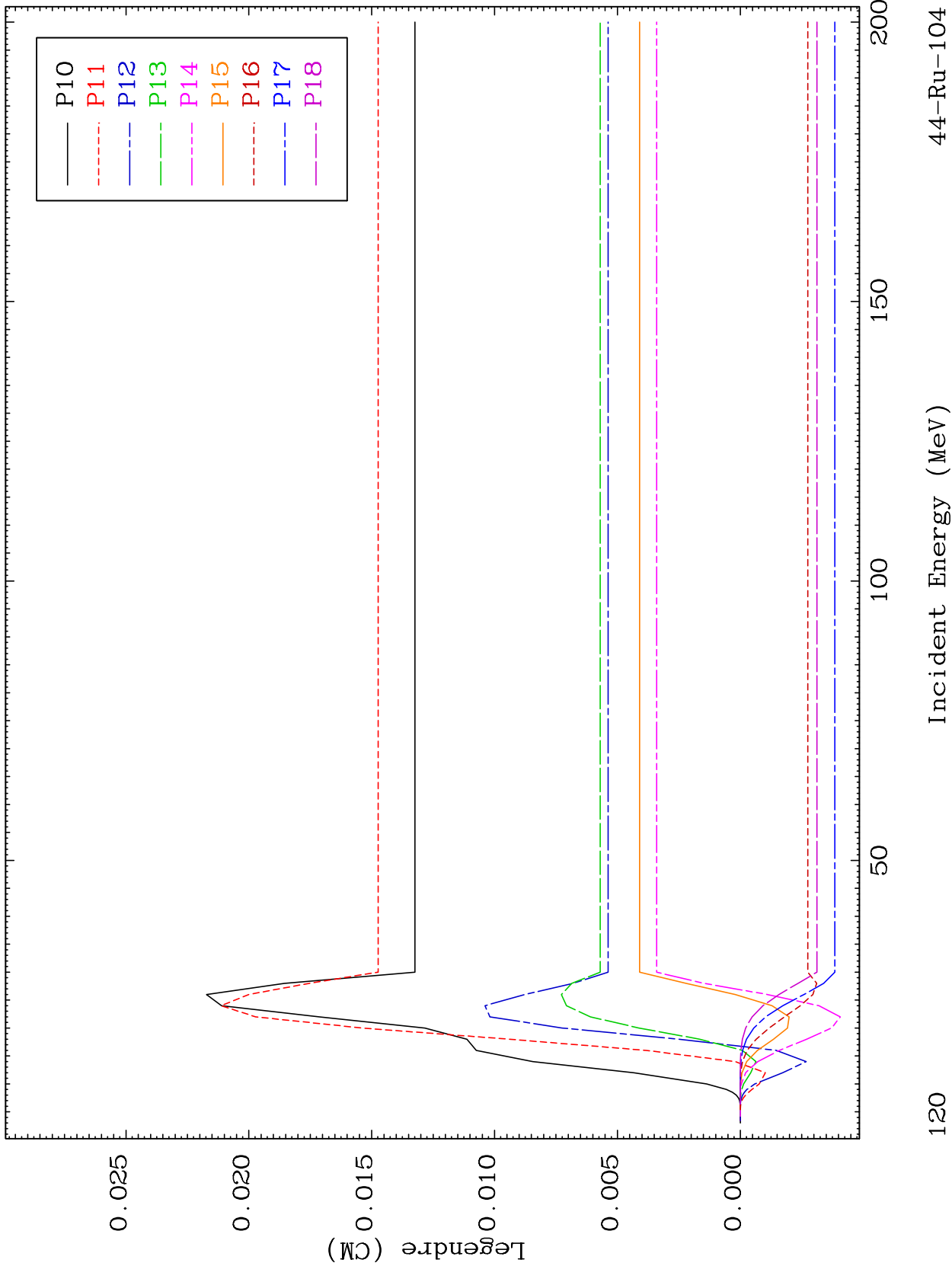
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 77 (n,n') Level
Legendre Coefficients

44-Ru-104



120

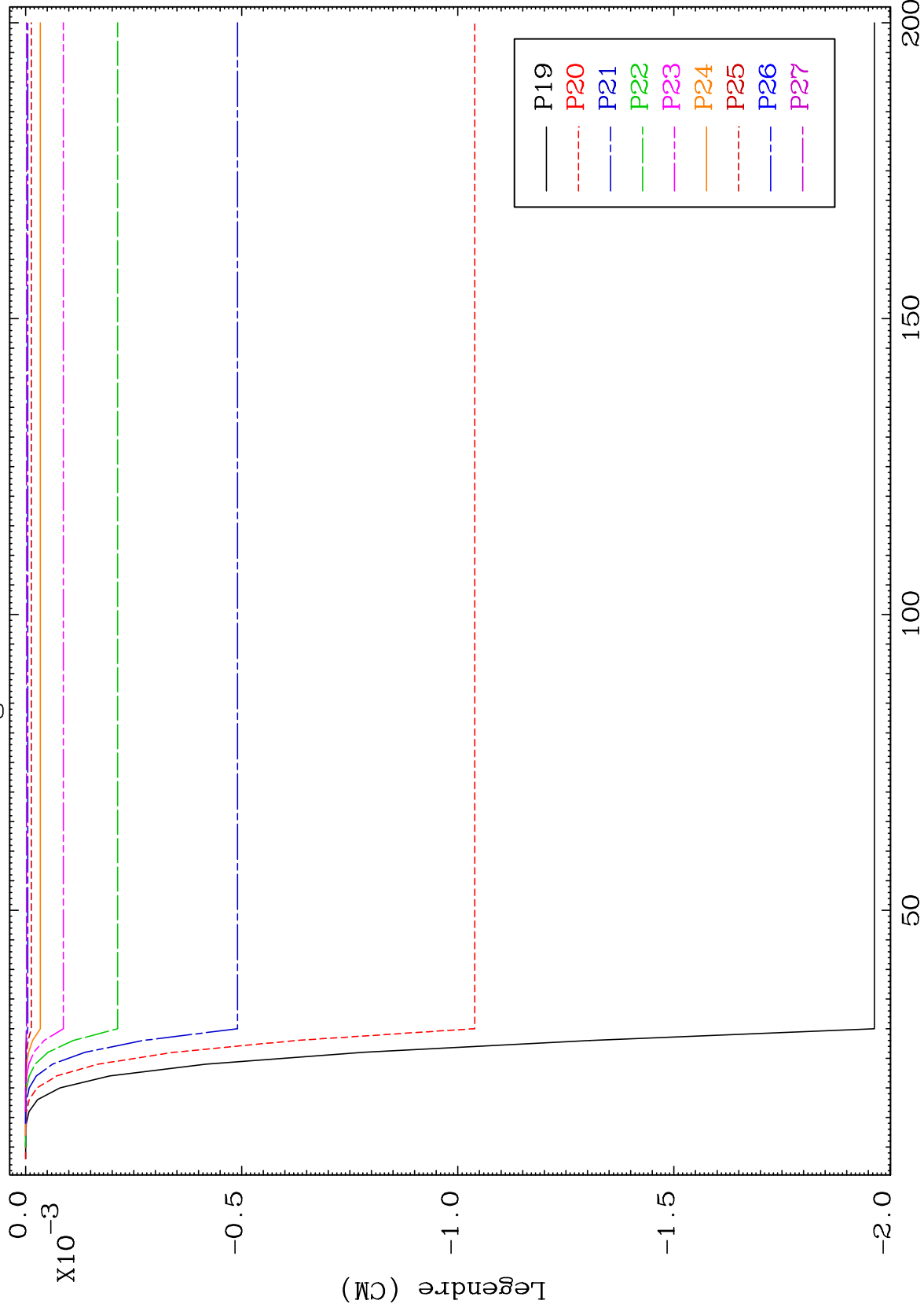
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 77 (n,n') Level
Legendre Coefficients

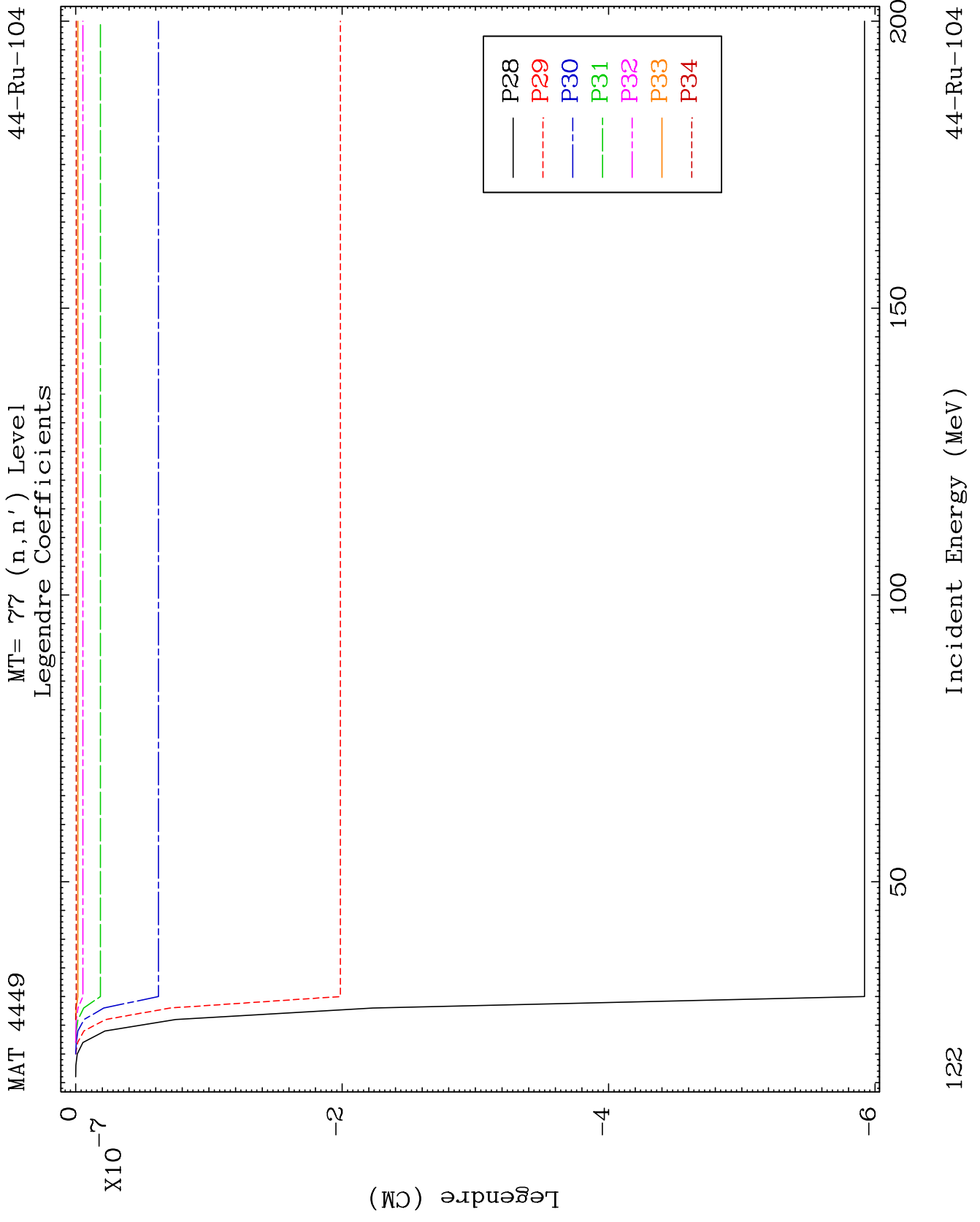
44-Ru-104



121

Incident Energy (MeV)

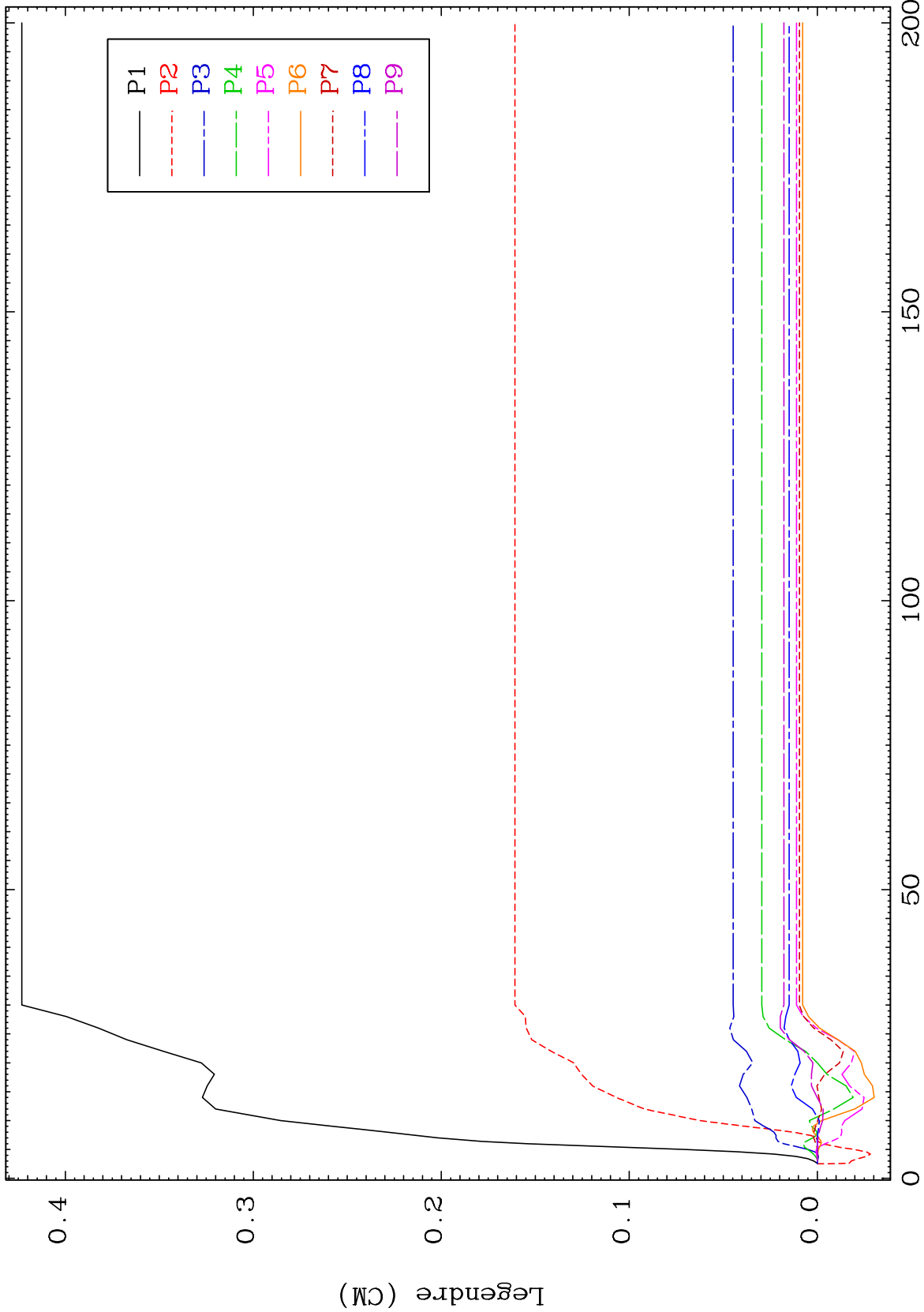
44-Ru-104



MAT 4449

MT= 78 (n,n') Level
Legendre Coefficients

44-Ru-104



123

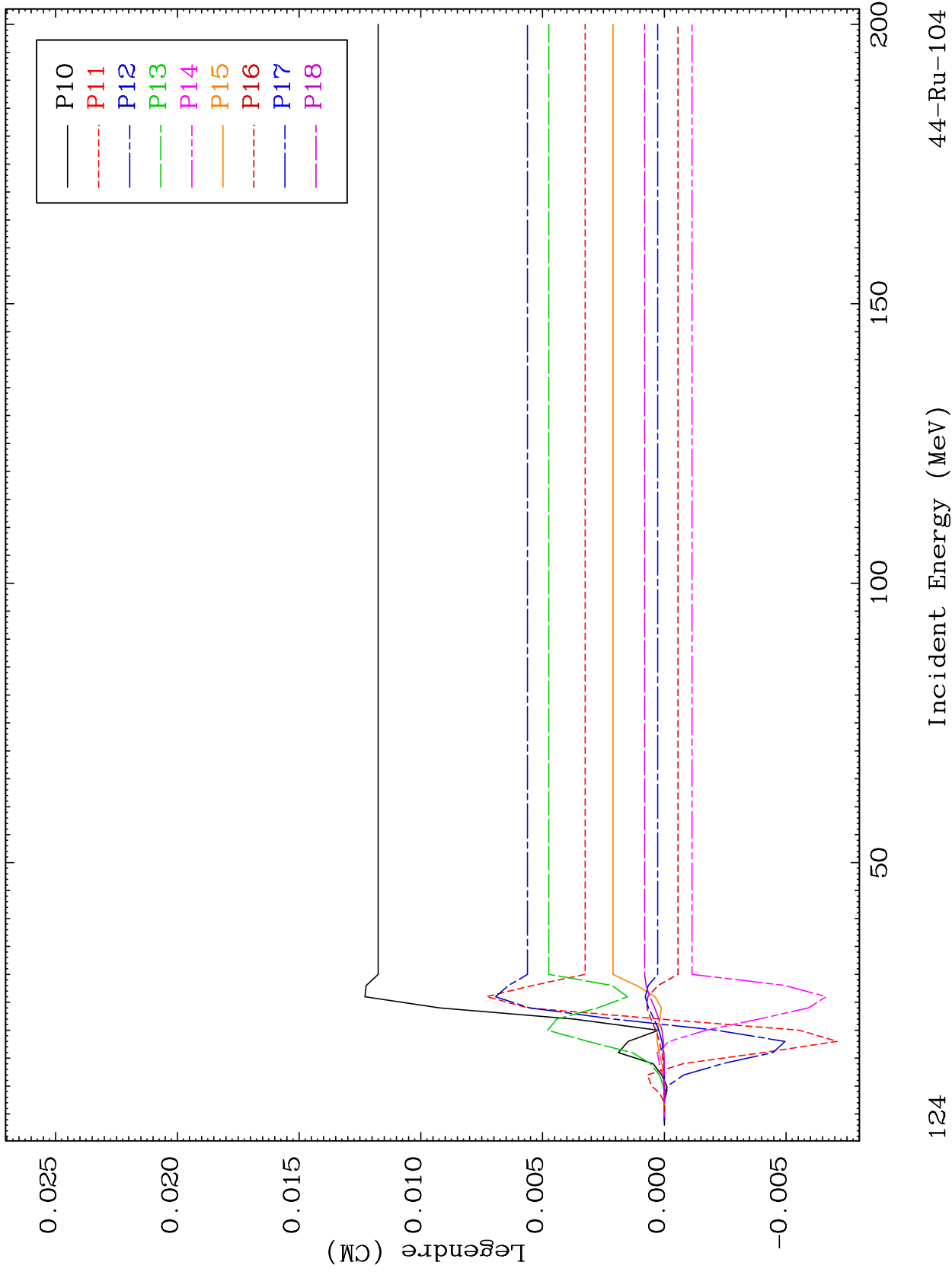
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 78 (n,n') Level
Legendre Coefficients

44-Ru-104



124

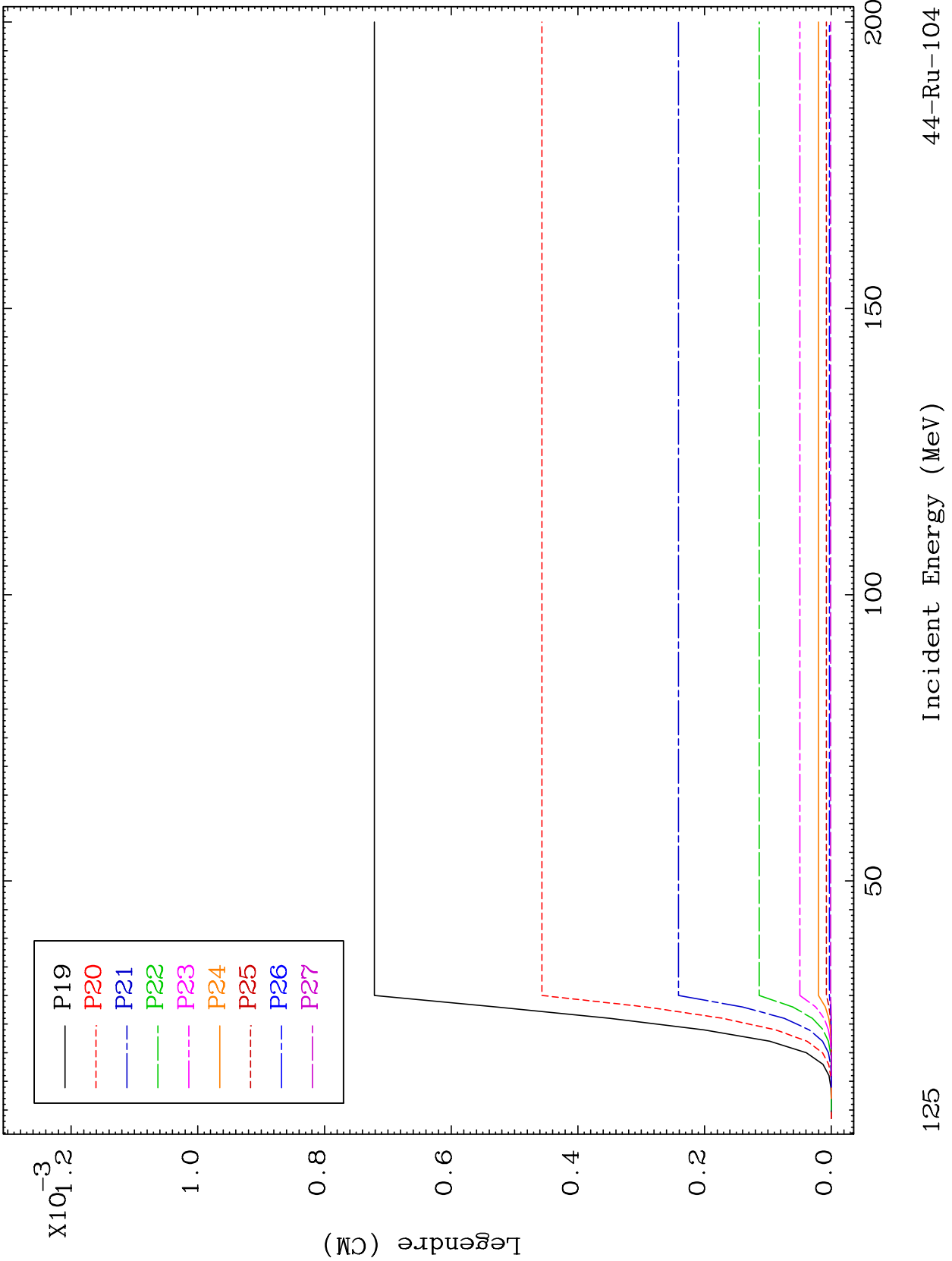
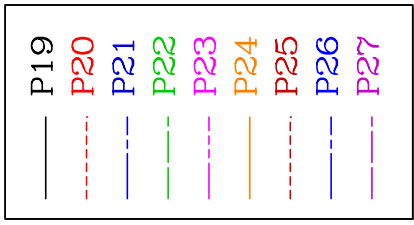
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 78 (n,n') Level
Legendre Coefficients

44-Ru-104



125

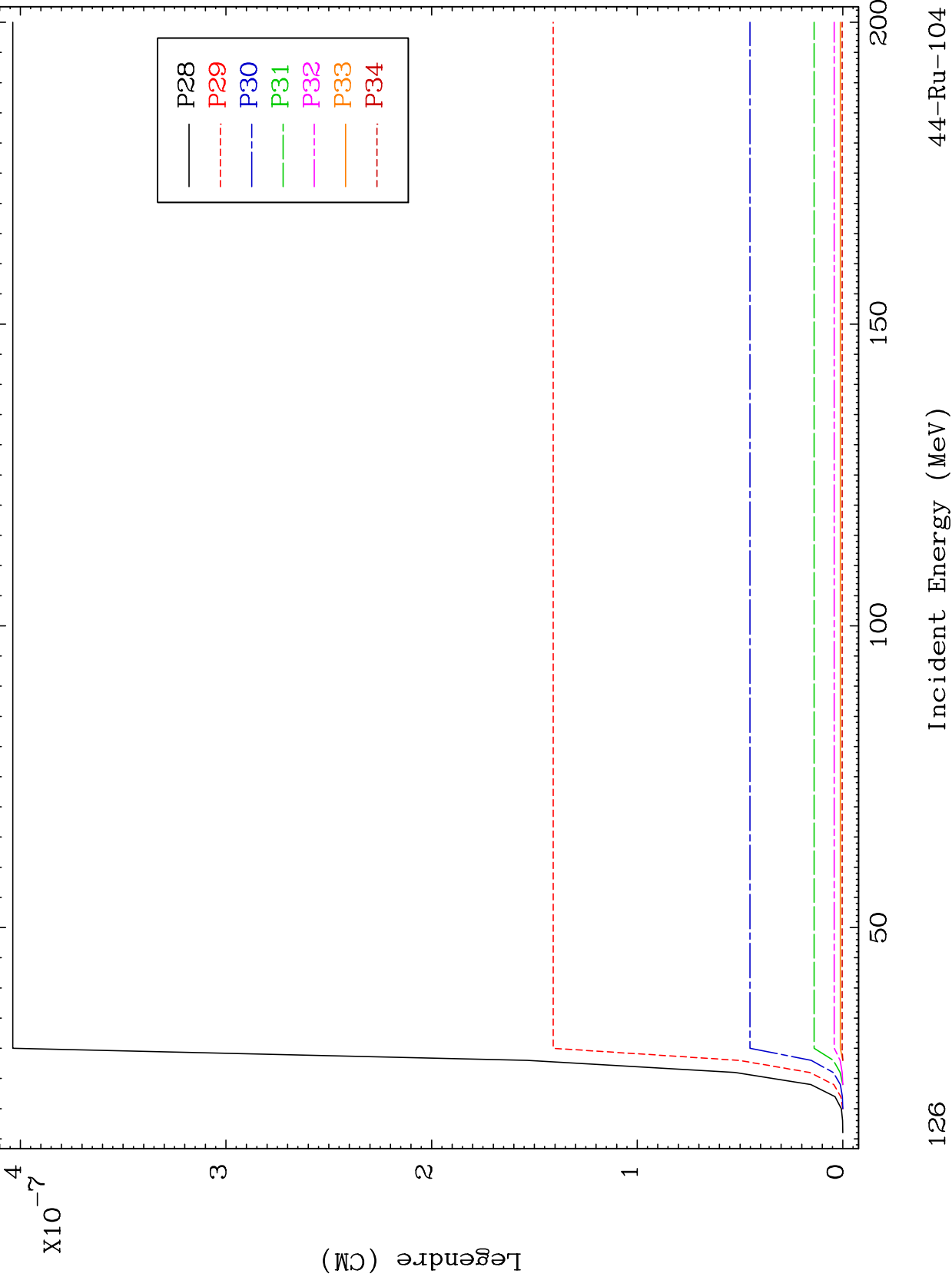
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 78 (n,n') Level
Legendre Coefficients

44-Ru-104



126

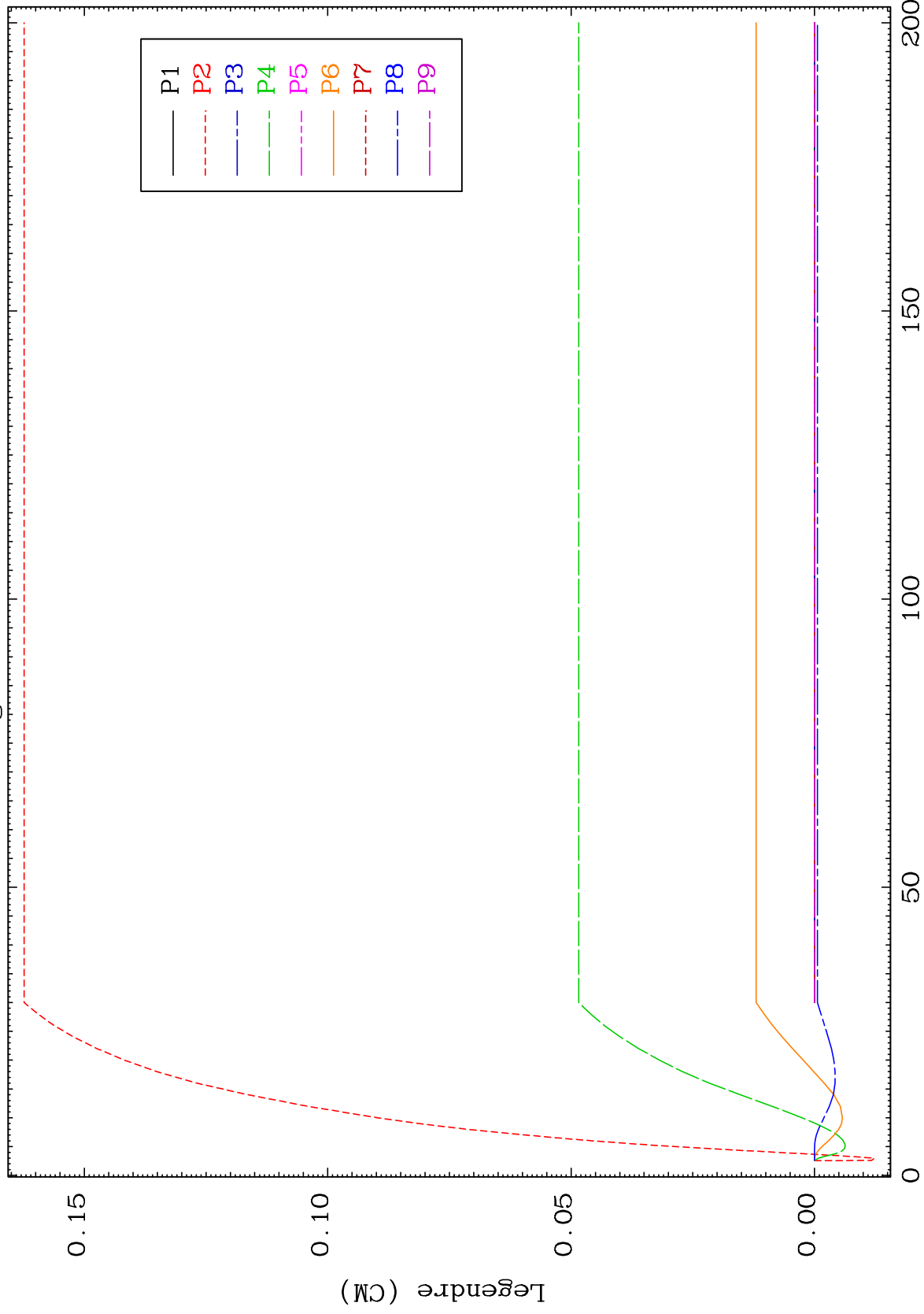
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 79 (n,n') Level
Legendre Coefficients

44-Ru-104



127

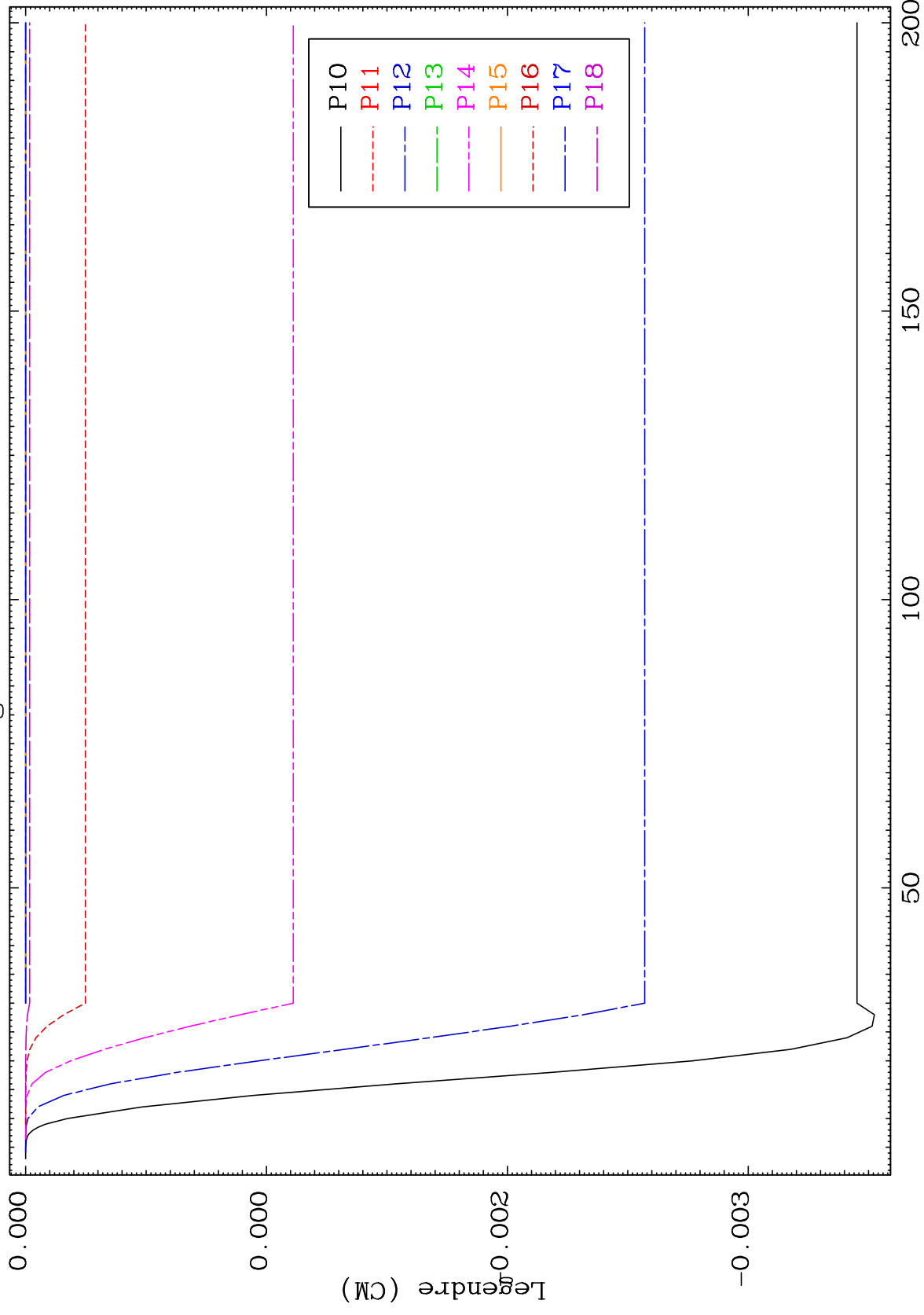
Incident Energy (MeV)

44-Ru-104

MAT 4449

MT= 79 (n,n') Level
Legendre Coefficients

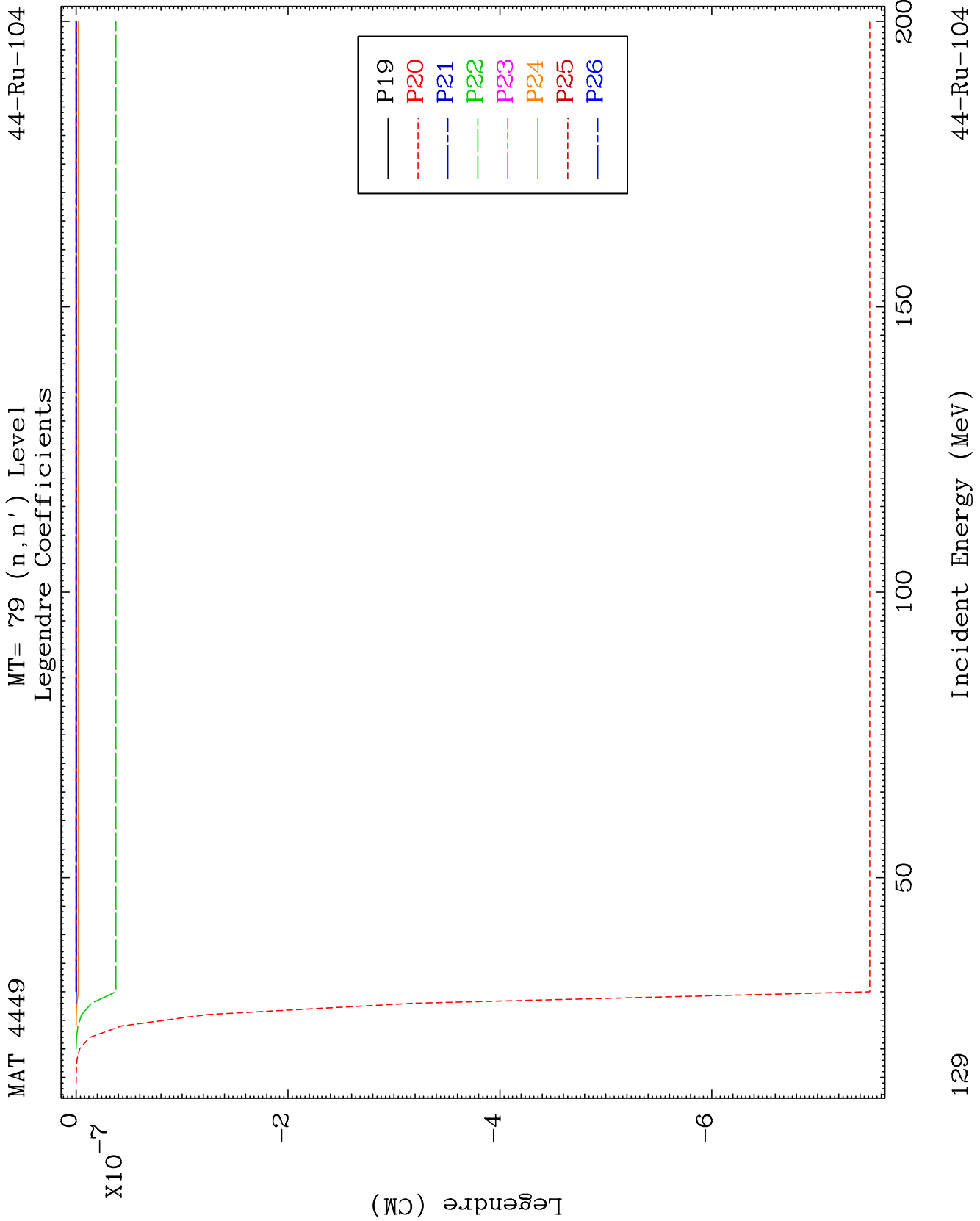
44-Ru-104



128

Incident Energy (MeV)

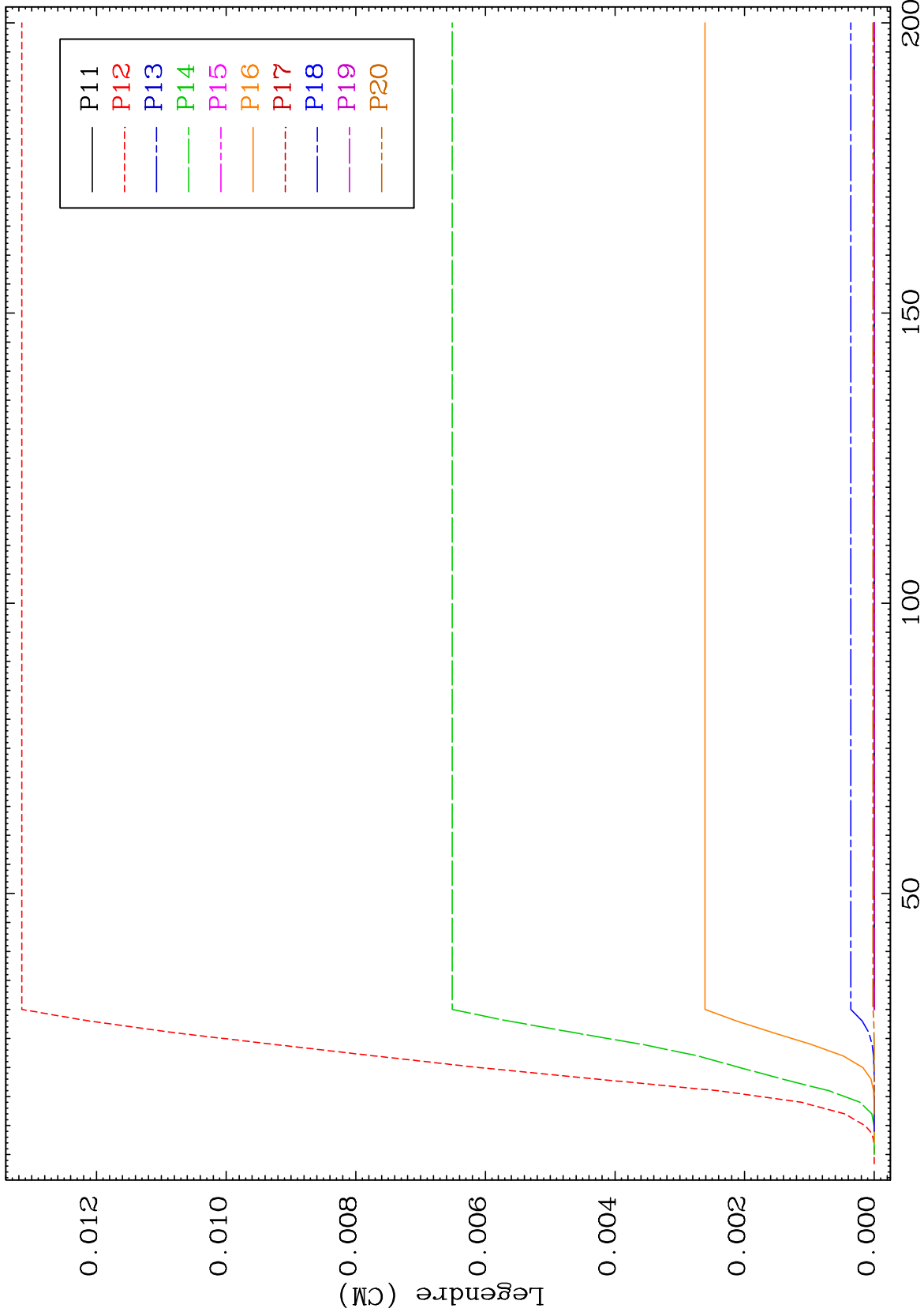
44-Ru-104



MAT 4449

MT= 80 (n,n') Level Legendre Coefficients

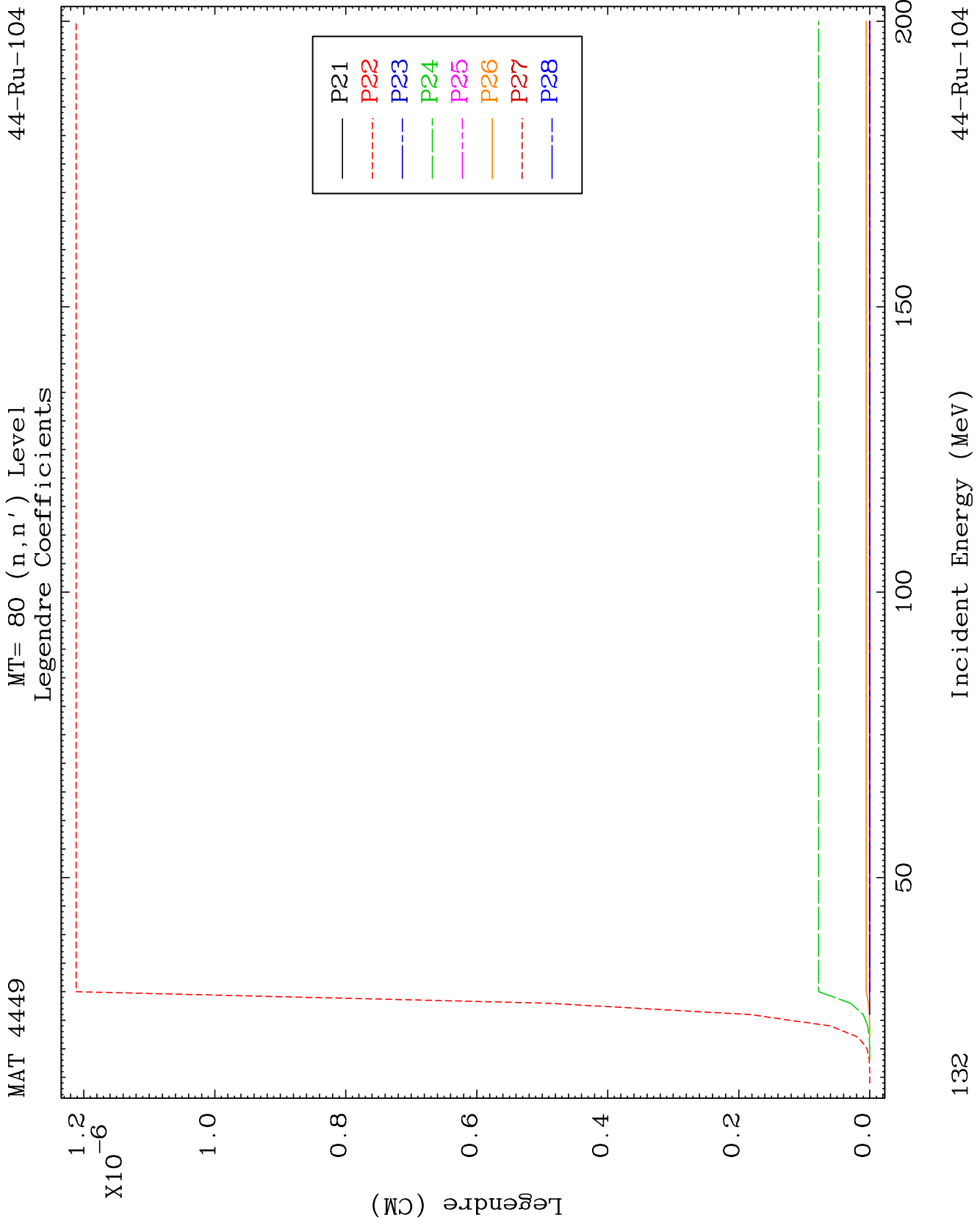
44-Ru-104



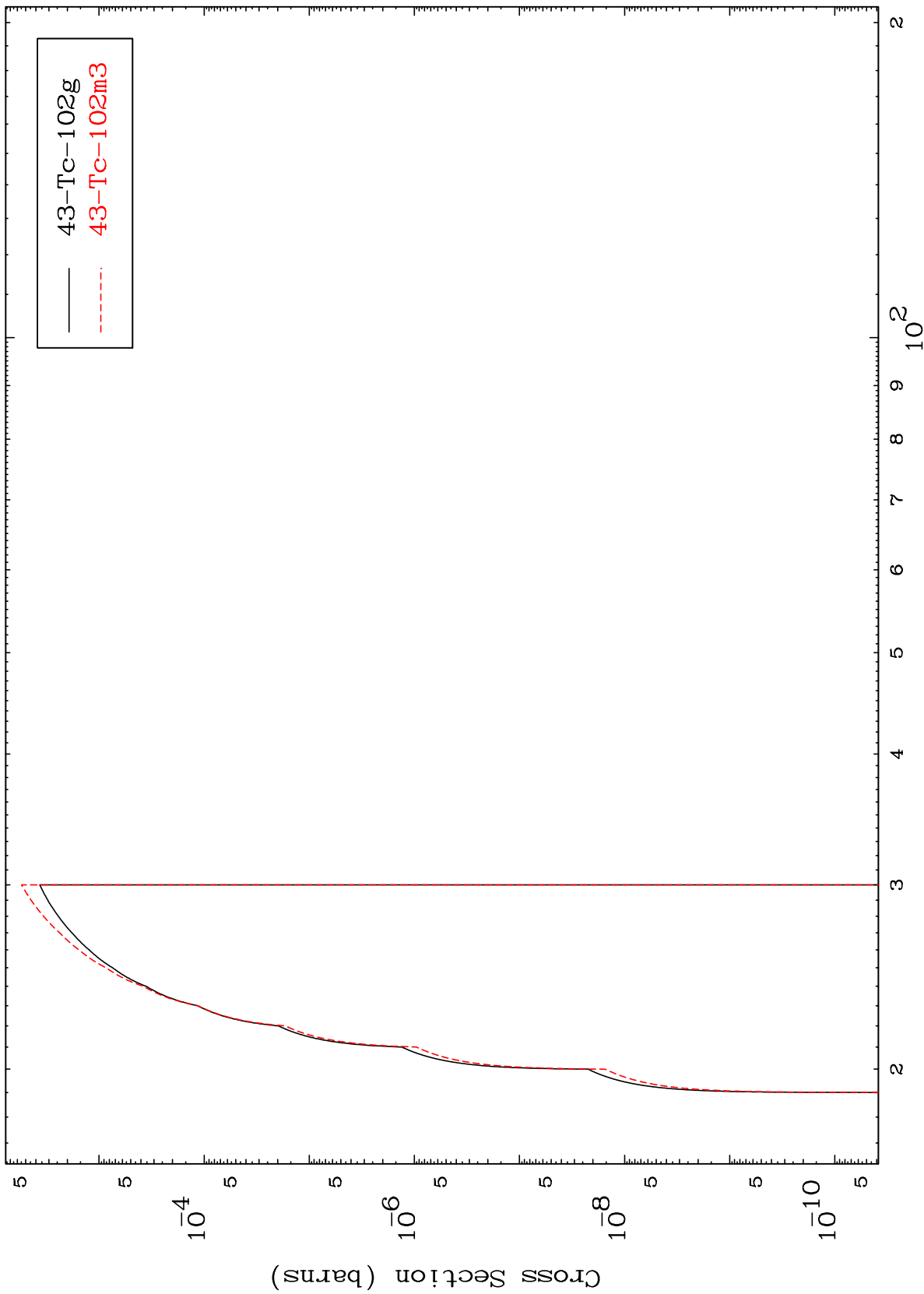
131

Incident Energy (MeV)

44-Ru-104



Radionuclide Production Cross Section

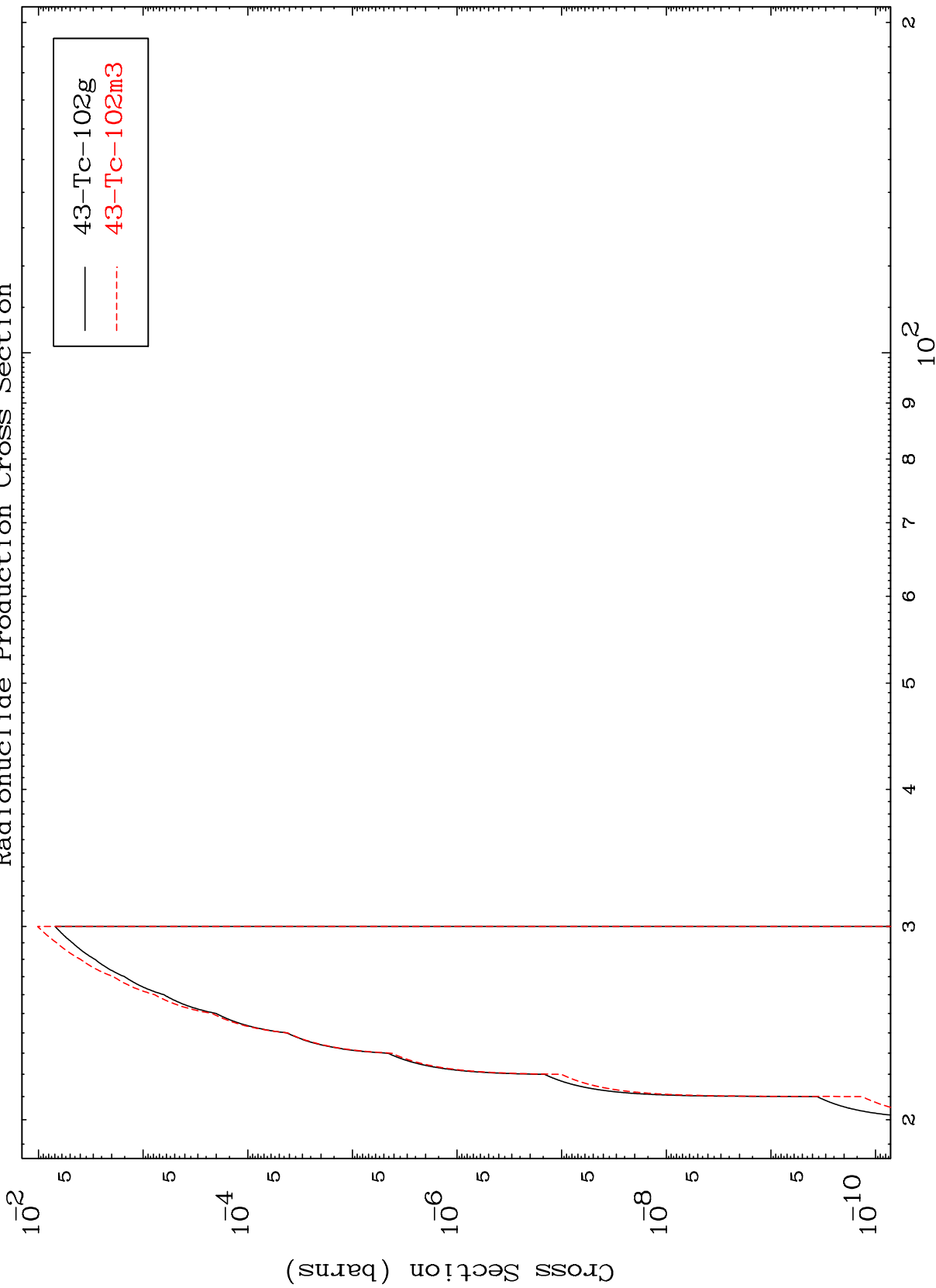


MAT 4449

(n,2n) p

44-Ru-104

Radionuclide Production Cross Section



134

Incident Energy (MeV)

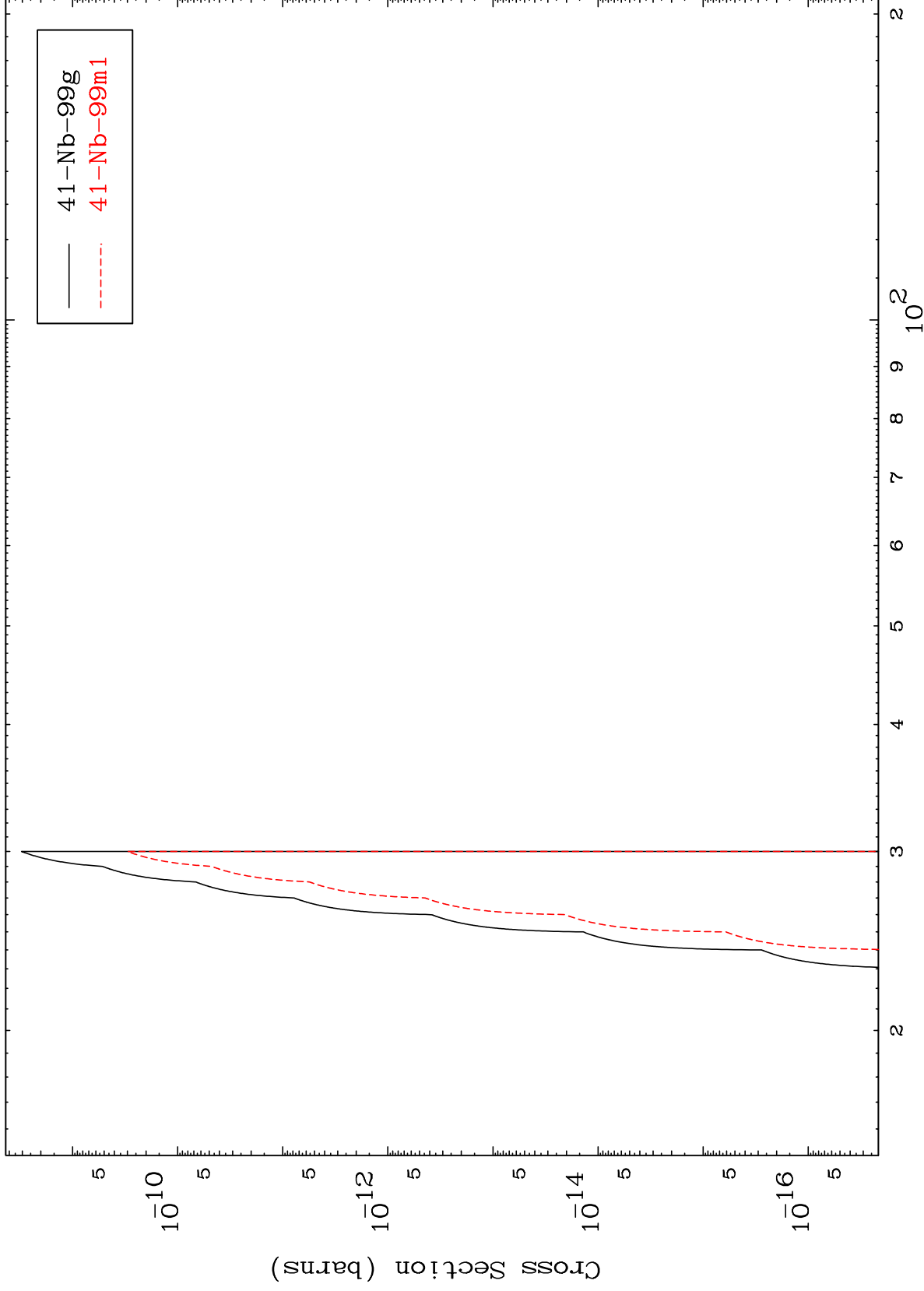
44-Ru-104

MAT 4449

(n,n') p α

44-Ru-104

Radionuclide Production Cross Section

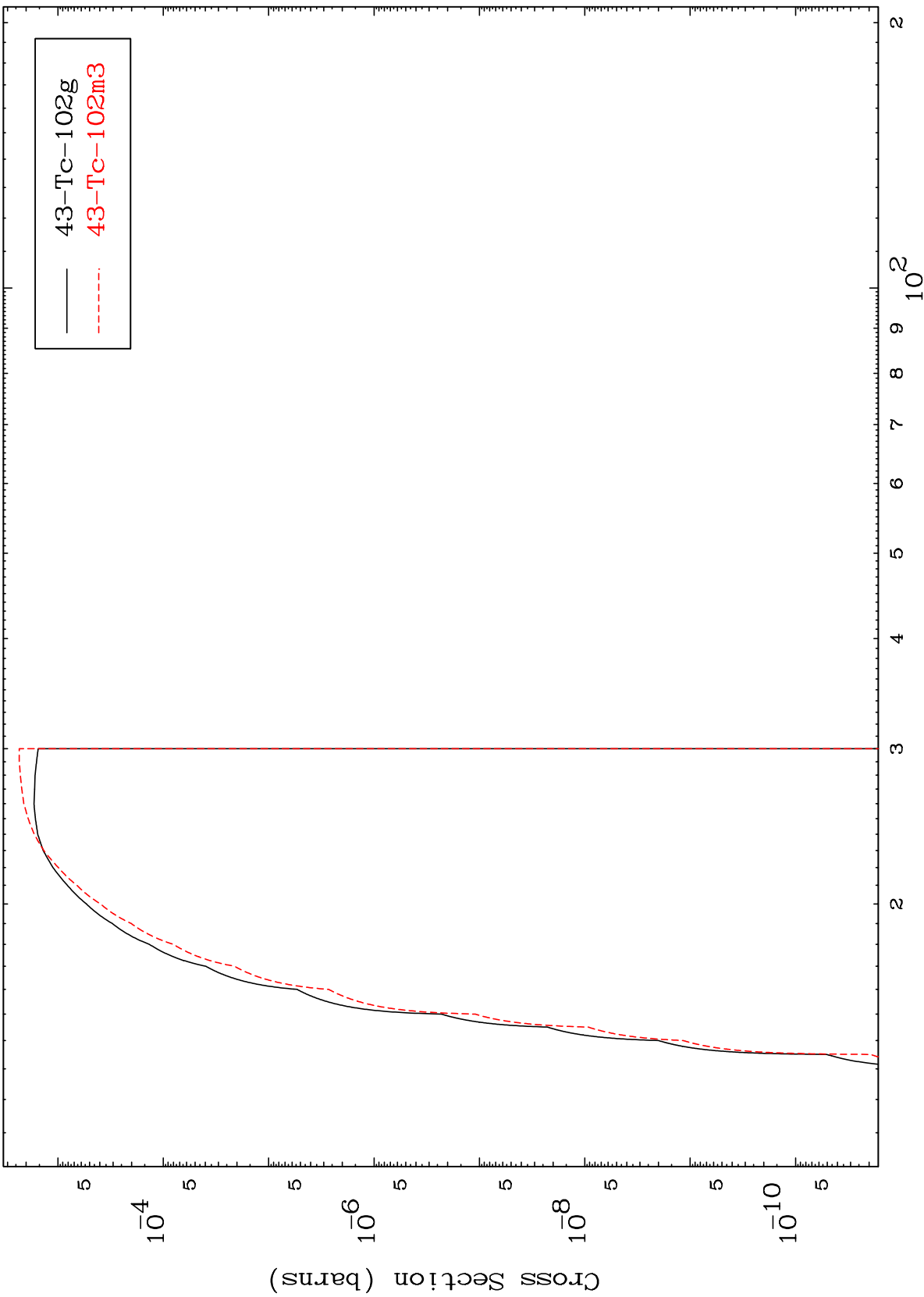


135

Incident Energy (MeV)

44-Ru-104

(n, t)
Radionuclide Production Cross Section

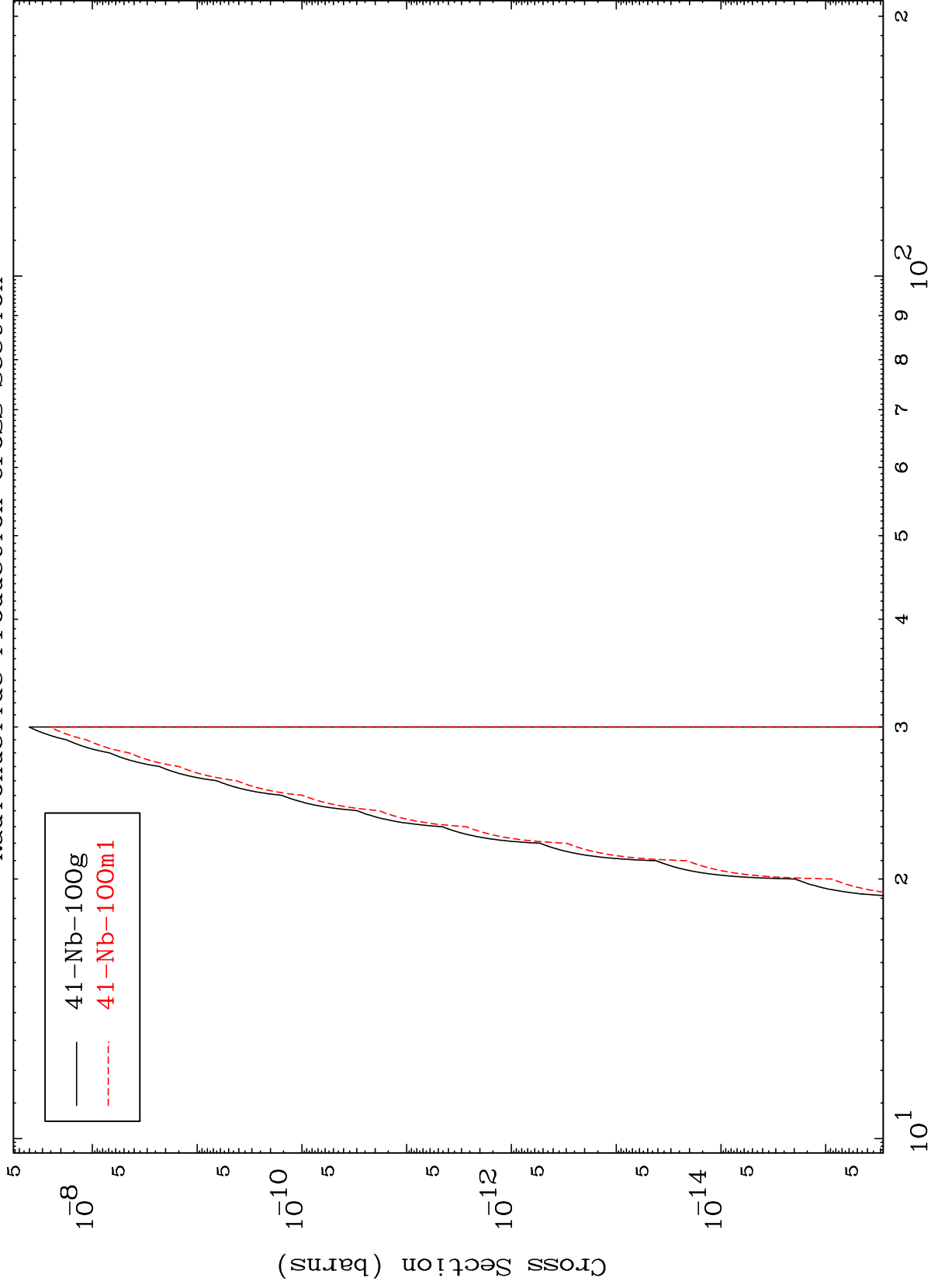


MAT 4449

(n,p) α

44-Ru-104

Radionuclide Production Cross Section



137

Incident Energy (MeV)

44-Ru-104